

HOLT

Student World Atlas

MAPQUEST

Major Rivers

Name	Continent	Outflow	Total Length (mi.)
Nile	Africa	Mediterranean Sea	4,160
Amazon	South America	Atlantic Ocean	4,000
Chang (Yangtze)	Asia	East China Sea	3,964
Mississippi-Missouri	North America	Gulf of Mexico	3,710

Major Deserts

Name	Continent	Area (sq. mi.)
Sahara	Africa	3,500,000
Gobi	Asia	500,000
Libyan	Africa	450,000
Sonoran	North America	120,000

Oceans

Arctic Ocean

Area: 5,426,000 sq. mi.
 Coastline: 28,209 mi.
 Average Depth: 3,407 ft.

Atlantic Ocean

Area: 31,736,000 sq. mi.
 Coastline: 69,525 mi.
 Average Depth: 11,730 ft.

Indian Ocean

Area: 28,410,000 sq. mi.
 Coastline: 41,346 mi.
 Average Depth: 12,598 ft

Pacific Ocean

Area: 63,838,000 sq. mi.
 Coastline: 84,315 mi.
 Average Depth: 12,925 ft.

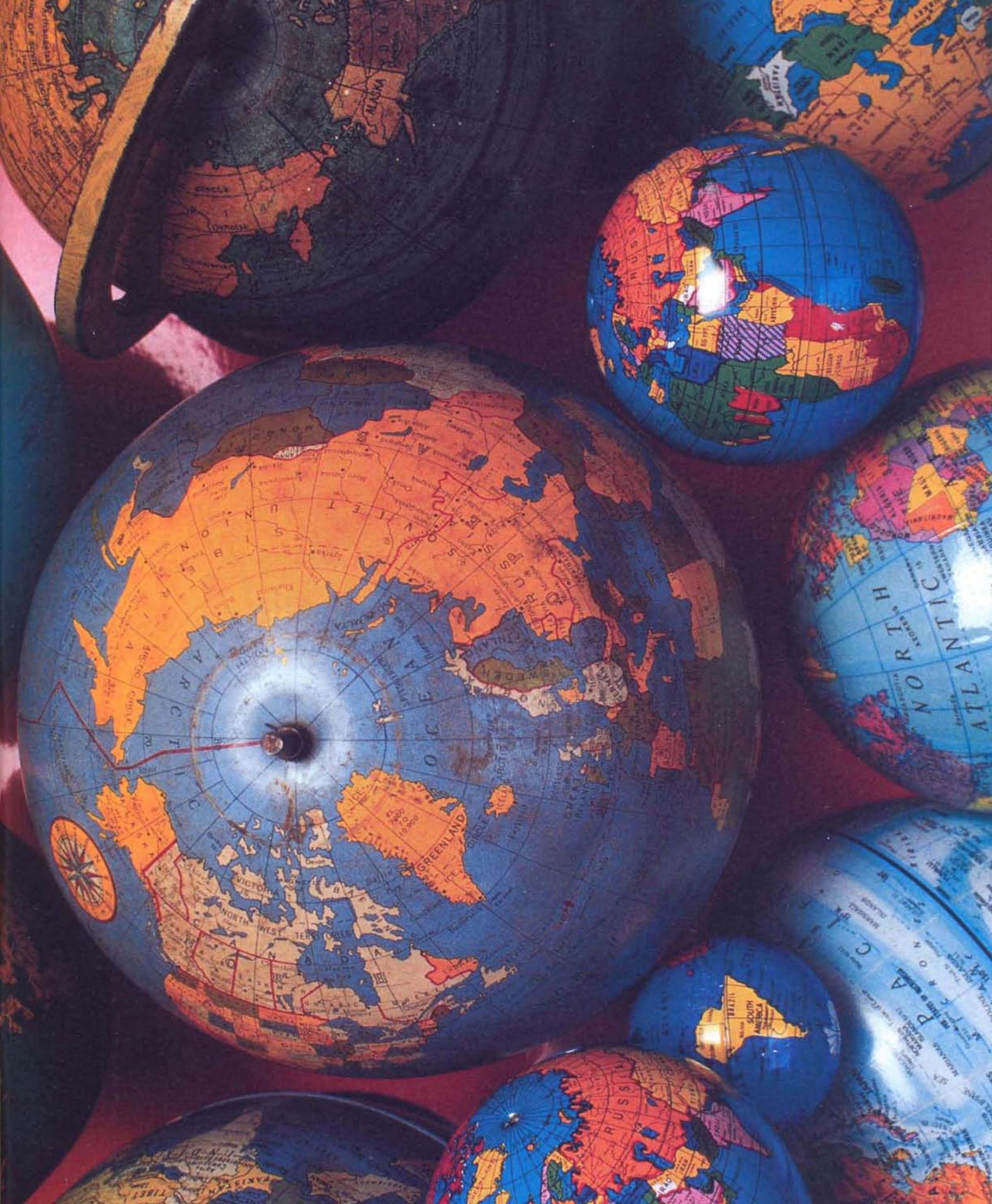
Highest Elevations

Mountain Peak Name	Place	Height (ft.)	Continent
Kilimanjaro	Tanzania	19,340	Africa
Vinson Massif	Antarctica	16,864	Antarctica
Everest	Nepal-Tibet	29,035	Asia
Kosciusko	Australia	7,310	Australia
Elbrus	Russia	18,510	Europe
McKinley	Alaska, U.S.	20,320	North America
Aconcagua	Argentina	22,834	South America

Lowest Elevations

Lowest Point Name	Place	Depth Below Sea Level (ft.)	Continent
Lake Assal	Djibouti	512	Africa
Bentley Subglacial Trench	Antarctica	8,327*	Antarctica
Dead Sea	Israel-Jordan	1,310	Asia
Lake Eyre	Australia	52	Australia
Caspian Sea	Russia-Azerbaijan	92	Europe
Death Valley	California, U.S.	282	North America
Valdes Peninsula	Argentina	131	South America

*Estimated



Published by



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AN ATLAS is a collection of maps that can be used to find information about your world. The very latest data has been collected to make these maps. Hundreds of satellite images were used to map the dramatic shrinking of Earth's forests. The latest census data from each and every country was used to build a picture of Earth's current population. The most recent scientific research was used to create thematic maps of continental drift, the ocean floor, the environment and our natural resources. Look closely and you will see that the information for the maps comes from many different sources such as NASA, the U.S. Department of the Interior or the World Bank. You can use these maps to explore your world, discover connections between places, and see relationships between places and peoples.

But this atlas is more than just a wealth of information. It is fun to look at too. You will find that these maps and photographs can evoke images of far away places. They invite you to pause and to dream. With a map you can journey the world without ever getting wet, cold, tired or hungry. You can imagine great adventures and not leave the comfort of your favorite chair!

To get the most out of this atlas you need to know how to read maps. Just as you learned to read words like the ones on this page, you can learn how to read the language of maps. The map skills you need to know are:

1. locating places
2. measuring distance
3. finding direction
4. reading map symbols

Locating Places

To find places in this atlas, you can begin with the index. To find Dallas follow these steps.

1. Look up Dallas in the index at the end of this book.
2. The index tells you that Dallas is a city in Texas and that it can be found on page 50. You will also learn that Dallas is located at 32° 47' N (32 degrees 47 minutes north) and 96° 48' W (96 degrees 48 minutes west.)
3. Go to page 50 and find the line of latitude nearest to the number 32° N and the line of longitude nearest to the number 96° W. You will find Dallas close to where those two lines meet. You can learn more about latitude and longitude on pages 8–9.

Measuring Distance

To measure distance most maps have a distance scale. You can learn more about measuring distance on page 7.

Finding Direction

To find directions use the map's compass rose. You can also use lines of latitude and longitude to find direction. Every line of longitude points north and south. Every line of latitude points east and west. You can learn more about latitude and longitude on pages 8–9.



Reading Map Symbols

Every map symbol shows the location of something. It could be something as large as a continent or as small as a bird-house. A dot shows the location of a city. A blue line shows the course of a river. But map symbols are not the same on all maps. One map might show a city with a square. Map legends or keys help explain the symbols used on a map. You can find out more about legends and the map symbols used in this atlas on page 6.



Special Features of this Atlas

This atlas has been designed and organized to be easy for you to use. Here is a "road map" to your atlas.

The Blue Tab Bar

Somewhere along the top blue tab bar of each spread you will see a darker blue tab. It tells you

the subject of the map or maps you are looking at. The light blue tabs tell you the subjects of the surrounding map spreads. If, for example, you are looking at the World Climate map and would like to compare it to the World Vegetation map, you can use the tabs to find that map quickly and easily.

Map Skills

Look at the blue tab bar above and you will see that you are in the map skills section. This section should be called "Read Me First" because it is here that you will find all sorts of helpful information about maps and how to read them. Even if you are a practiced map reader, read this section!

The World

In this section you will find a world political map, a world physical map, and 35 world thematic maps. The world political map shows the most up to date national boundaries. On the world physical map you can see huge deserts,

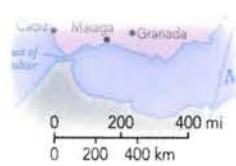
78	13°32'S	71°56'W
85	37°00'N	25°00'E
96	35°00'N	33°00'E
97	35°00'N	33°00'E
91	25°00'N	24°00'E
84	49°00'N	15°00'E

Dakar, Senegal	90	14°42'N	17°27'W
Dallas, TX	50	32°47'N	96°48'W
Dalmatia, region	85	44°00'N	16°00'E
Damaraland, region	91	21°00'S	19°00'E
Damascus, Syria	96	33°31'N	36°18'E
d'Ambre, Cap, cape	91	12°00'S	48°00'E
Da Nang, Vietnam	96	16°03'N	108°12'E
Danube, river	85	49°00'N	10°00'E
Danube Delta, delta	85	45°00'N	29°00'E
Dardanelles, strait	85	40°00'N	27°00'E
Dar es Salaam, Tanzania	90	6°49'S	39°17'E
Darling, river	103	31°00'S	144°00'E

the subject of the map or maps you are looking at. The light blue tabs tell you the subjects of the surrounding map spreads. If, for example, you are looking at the World Climate map and would like to compare it to the World Vegetation map, you can use the tabs to find that map quickly and easily.

Measuring Distance

To measure distance most maps have a distance scale. You can learn more about measuring distance on page 7.



great mountain ranges, and even the sea ice that covers much of the Arctic. The thematic maps include the most up to date information on everything from the world distribution of computers and televisions to life expectancy, religion and literacy. If you want to see the ocean floor, or to find where in the world volcanoes form, this is the section to look in.

Continents

The continent units are designed to all have the same kinds of maps. This will enable you to compare and contrast one continent with another with ease and accuracy. There is a political map, a physical map, and a total of seven thematic maps per continent.

Used individually each map can provide answers to many questions. But all together, each set of maps can be used to tell a story.



Imagine a journey crossing a continent. You can see the regions visited, the mountains climbed, or the deserts crossed. You can tell if many people are passed along the way or few. You can describe the activities of the people. Will you see miners or ranchers or farmers? And you can tell about the different climates experienced along the way. All of this information and more is on the maps for every continent but Antarctica.

Environmental Issues

There is a special "Environmental Issues" feature for each continent and one for the world. To create these features the latest scientific information was gathered and organized for you. The topics cover the three major environmental issues faced by citizens today, desertification, deforestation, and acid rain.



The United States

In the section on the United States you will find a political map with two pages of political facts, a physical map with two pages of physical facts, and seven thematic map spreads.



Canada and Mexico

Canada and Mexico both have their own spreads that include a political and physical map.

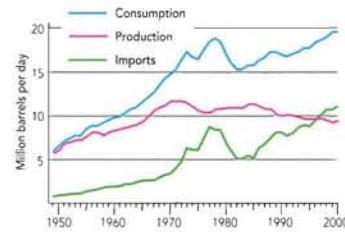
Geographic Features



There are two special "Geographic Features" included in this atlas. To find out how the continents, Earth's greatest land features, have been drifting around the globe, turn to pages 22-23. To take an in depth look at fall lines, divides, and faults turn to the United States Geographic Features spread on pages 58-59.

Charts and Graphs

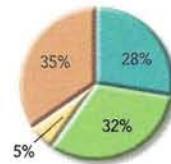
This atlas is filled with charts, graphs and diagrams. They are used to give more information about subjects shown on the maps. To make these charts and graphs, long lists of the most up to date data was gathered. Then all those numbers were organized into graphic displays that can be read simply and accurately.



Line graphs are used to show change in amounts over time.



Bar graphs are used to compare amounts.



Pie charts show percentages of a total.

Glossary

There are many geographic terms found on maps such as *fjord*, *isthmus*, or *plateau*. You can find the meaning of these and other terms in the geographic glossary located on the inside back cover.

The staff at Mapquest worked hard to make this atlas a reference book that is both full of information and fun and easy to use. We hope that you enjoy your copy.

Legend

The following symbols are used here for general reference maps. Maps with special subjects (thematic maps) have their own unique legends.

General Reference Maps

- ★ National capital
- ★ Other capital
- Other city
- International boundary (political map)
- International boundary in dispute/undefined (political map)
- State or provincial boundary
- International boundary (physical map)
- International boundary in dispute (physical map)

- Nonsubject area
- ▲ Mountain peak
- ▼ Lowest point
- ▬ Perennial lake
- ▬ Intermittent lake
- ▬ Perennial river
- ≈ Falls

Physical Maps Legend



Projections

A globe is the most accurate picture of the Earth. Only a globe can show distance, direction, and the true shape and area of land and sea. Mapmakers struggle with how to show the round world on a flat map.



Imagine the Earth as a large balloon.



Cut it apart, and flatten it to make a map.

To show the round Earth on flat paper, mapmakers used different **projections**, or ways of showing a round shape on a flat surface.

With every projection the shapes of places are changed somewhat. This is called distortion. To find distortion, you can compare the latitude and longitude lines of a map to those same lines on a globe.

Projections – Making the Round World Flat

Robinson Projection

Arthur Robinson, an American mapmaker, wanted to develop a map projection that “looked” right. This projection uses many distortions but none are significant. You can see this by comparing one of the large scale World maps in this atlas to a globe.



Mercator Projection

Gerardus Mercator, a Dutch mapmaker, wanted a map projection that showed direction and shape accurately. The problems with distortions are more obvious on this projection. You can see that the land areas are very distorted the closer to the poles that you get. So, this projection ended up greatly distorting distance and size.



This diagram shows how a Mercator projection distorts the sizes of places. Compare Greenland on the map and the globe.



Azimuthal Projection

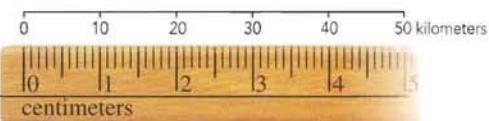
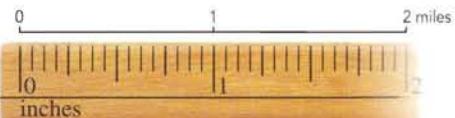
This is a projection used to show Antarctica and the Arctic. Azimuthal maps show direction and distance accurately, if measured from the center of the map. But, other distances, shape and size are distorted.



Map Scale

Changing Scale

The **large scale map** of New York's lower Manhattan (top) shows a small area with a large amount of detail. The **small scale map** of New York State (bottom) is a large area with a small amount of detail.



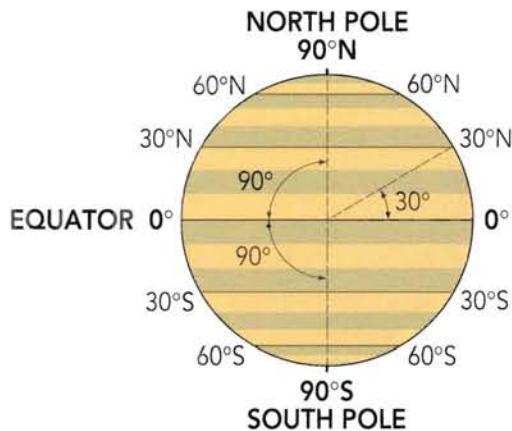
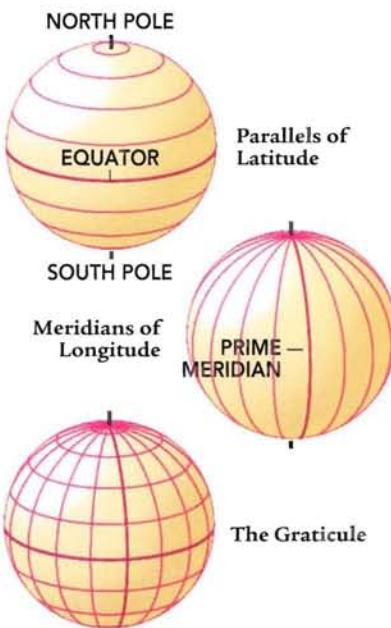
The map of metropolitan New York (left) covers an area nearly 50 times larger than the map of lower Manhattan, above.

The map of New York State (left) covers an area over 112 times larger than the metro New York map above, and 5,243 times the area of the lower Manhattan map.

Latitude and Longitude

Since ancient times, mapmakers, geographers, and navigators have worked to develop a system for accurately locating places on the Earth. On a sphere, such as the Earth, there are no corners or sides, no beginning or end. But since the Earth rotates on an axis, there are two fixed points: the North Pole and the South Pole. These points make a good starting place for a system of imaginary lines.

These imaginary lines form a grid over the Earth, allowing us to pinpoint the exact location of any spot on the Earth. This spherical grid is called the **graticule**. It is formed by lines called **latitude** and **longitude**.



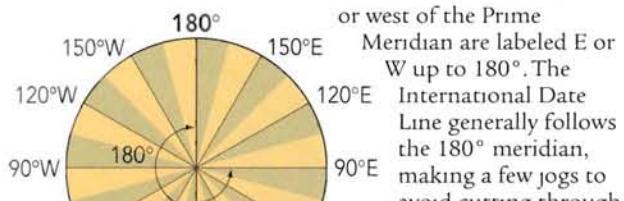
Latitude

Halfway between the poles the equator circles the globe in an east-west direction. Latitude is measured in degrees north or south of the equator, which is 0 degrees ($^{\circ}$). Lines of latitude are called **parallels** because they circle the globe parallel to the equator. Parallels are numbered from 0° at the Equator to $90^{\circ}N$ at the North Pole and $90^{\circ}S$ at the South Pole.

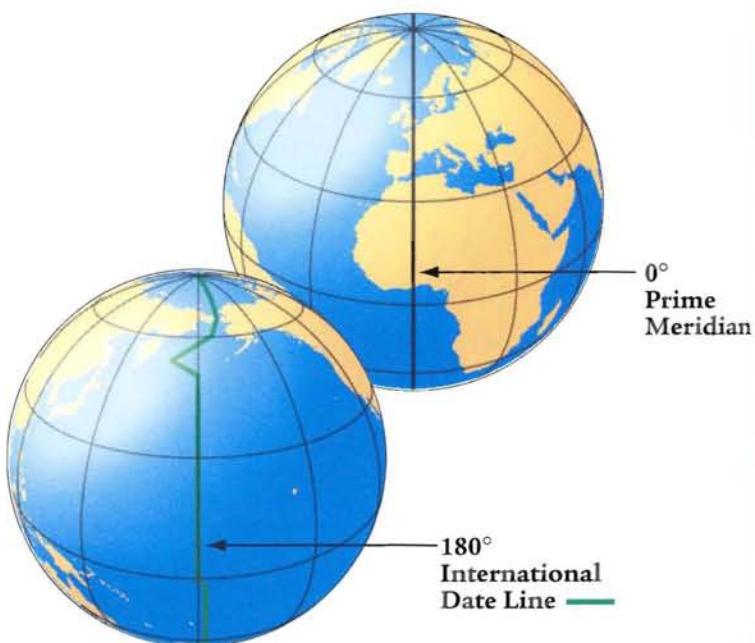
Longitude

Running from pole to pole, lines of longitude—called **meridians**—circle the globe in a north-south direction. As in any circle or sphere, there are 360 degrees ($^{\circ}$) of longitude. The meridians are numbered from the Prime Meridian which

is labeled 0° . Meridians east or west of the Prime



Meridians are labeled E or W up to 180° . The International Date Line generally follows the 180° meridian, making a few jogs to avoid cutting through land areas.



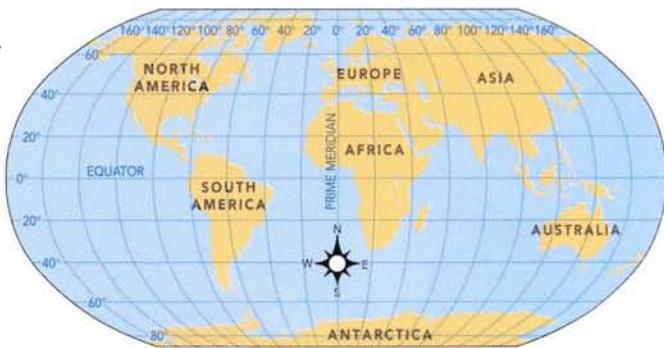
Parallels and Meridians—The Facts

Parallels

- are lines of latitude used to measure location north or south of the Equator
- are always the same distance apart (about 70 miles)
- differ in length
- The Equator, the longest parallel, is almost 25,000 miles long

Meridians

- are lines of longitude used to measure location east or west of the Prime Meridian
- meet at the poles
- are all the same length



Degrees, Minutes, Seconds

A degree ($^{\circ}$) of latitude or longitude can be divided into 60 parts called minutes (''). Each minute can be divided into 60 seconds (""). The diagram at right is an example of a place located to the nearest second.

It is written as:

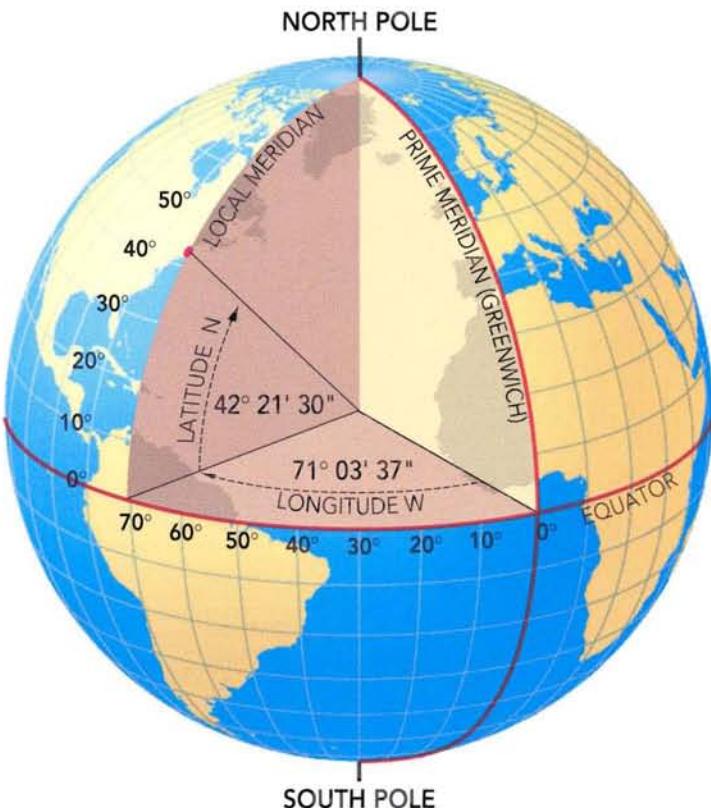
42° 21' 30" N 71° 03' 37" W

- This place is city center, Boston, Massachusetts.

The index at the back of this Atlas uses degrees and minutes of latitude and longitude to help you find places.

Which way north...

The geographic North and South Poles are fixed points located at each end of the Earth's axis. The Earth's magnetic fields cause the needle of a compass to point toward magnetic north, not geographic north. The north magnetic pole is located in the northern territories of Canada. The south magnetic pole is located near the coast of Antarctica. The magnetic poles are constantly moving.



Different Kinds of Maps

Maps are special pictures of places on Earth.

All maps are alike in these important ways:

- All maps are a view from above
- All maps show selected information using symbols
- All maps are smaller than the real place on Earth that they show.

Because people want to show many different things on Earth, they create many different kinds of maps.



Physical Maps

The purpose of a physical map is to show the physical or natural world. Physical maps show landforms and bodies of water. We use physical maps to locate rivers and mountains, ocean currents and wind patterns.



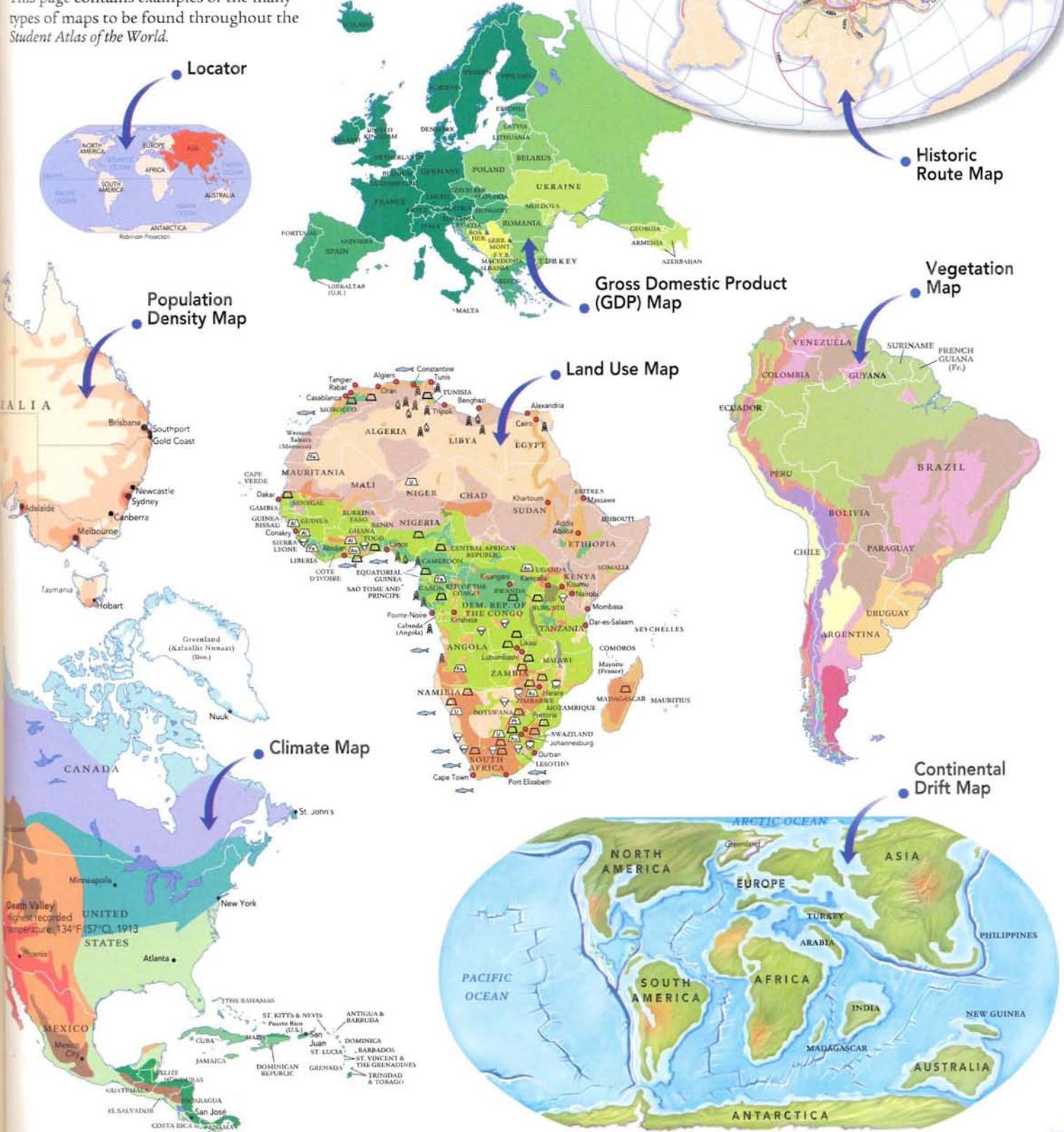
Political Maps

The purpose of a political map is to show the political divisions that people have made on the Earth. Political maps show the boundaries of nations and states and the location of towns and cities. We use political maps to locate places where people live and to understand how human beings have divided up the Earth.

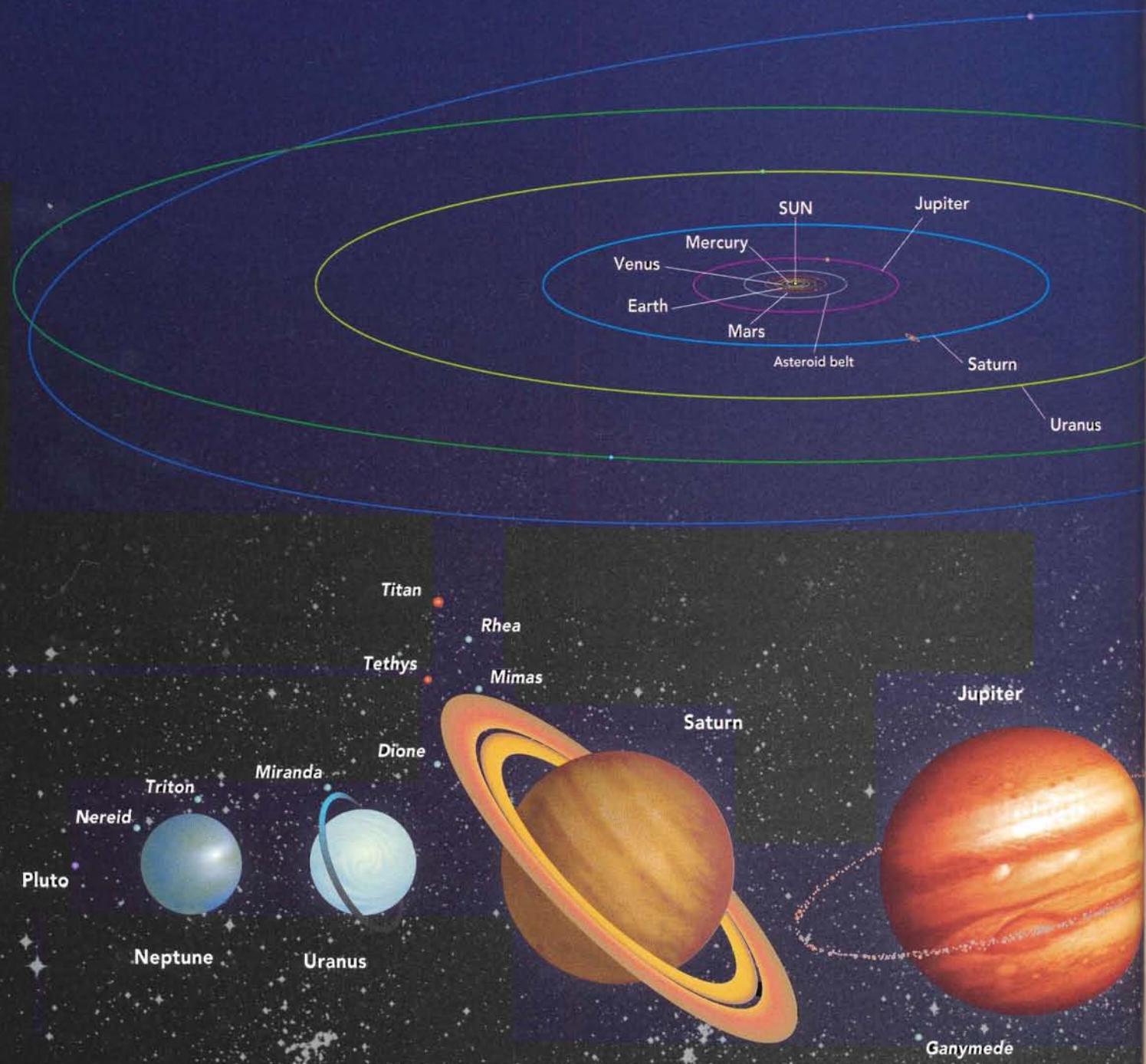


Thematic, or Special Purpose Maps

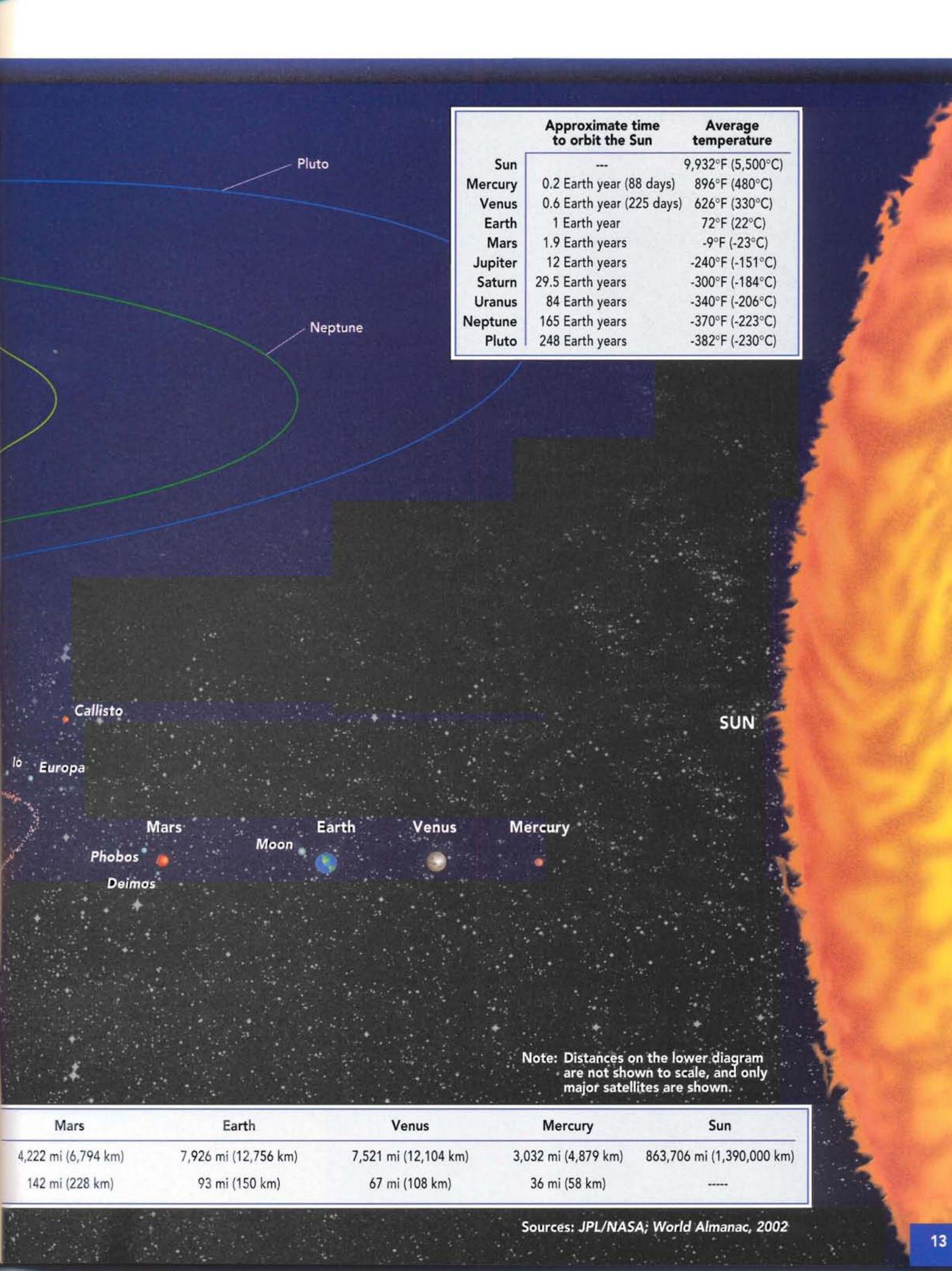
These maps show a specific subject (theme) or very limited number of subjects (such as population density, climate or historical topics). They can be used to show distributions and relationships among map features. This page contains examples of the many types of maps to be found throughout the *Student Atlas of the World*.

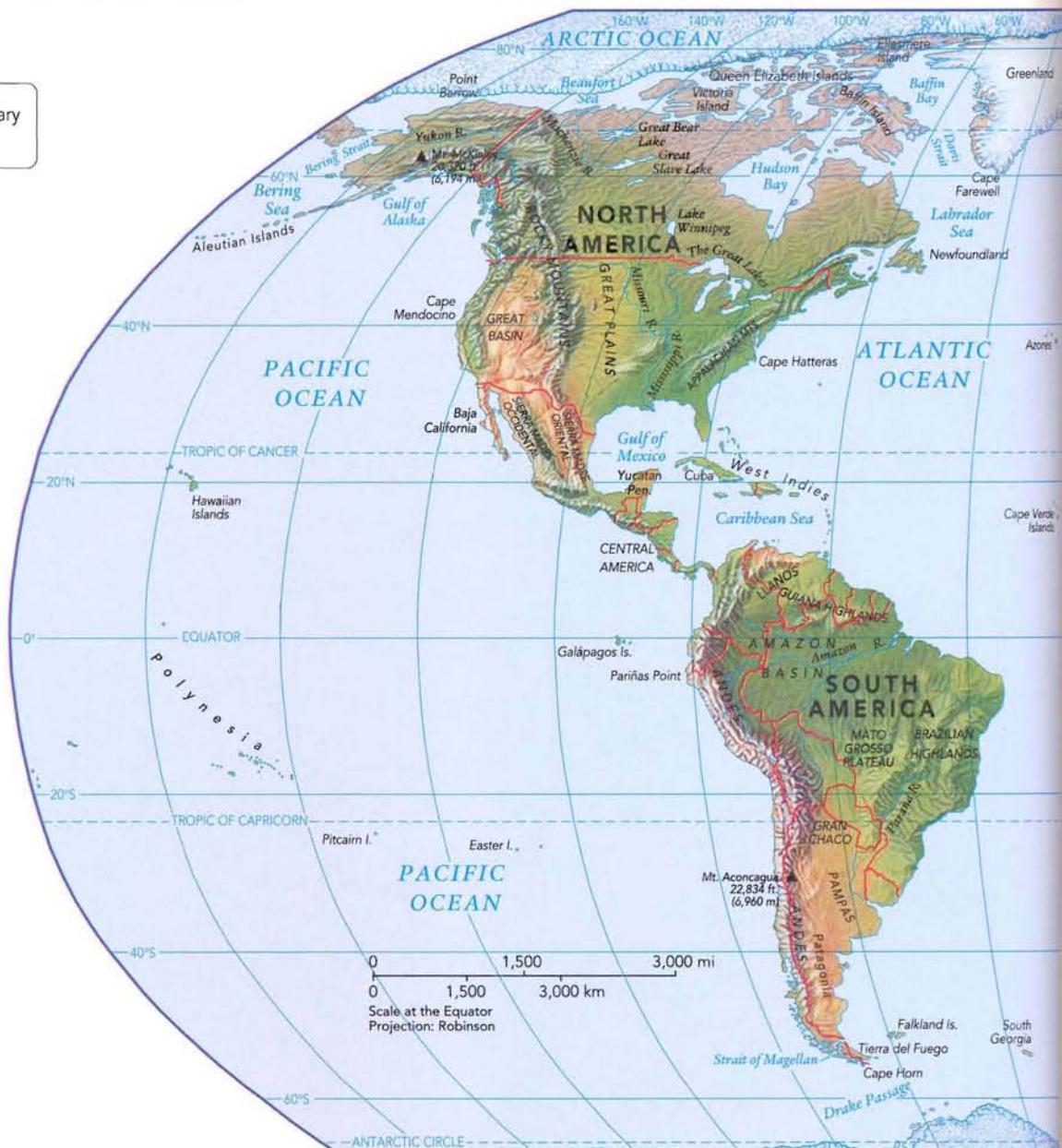
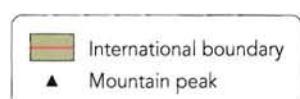


Our Solar System



	Pluto	Neptune	Uranus	Saturn	Jupiter
Diameter	1,485 mi (2,390 km)	30,775 mi (49,528 km)	31,763 mi (51,118 km)	74,897 mi (120,536 km)	88,846 mi (142,984 km)
Mean distance from Sun (millions of miles/millions of km)	3,647 mi (5,870 km)	2,793 mi (4,495 km)	1,785 mi (2,873 km)	891 mi (1,434 km)	484 mi (779 km)





North Polar Region

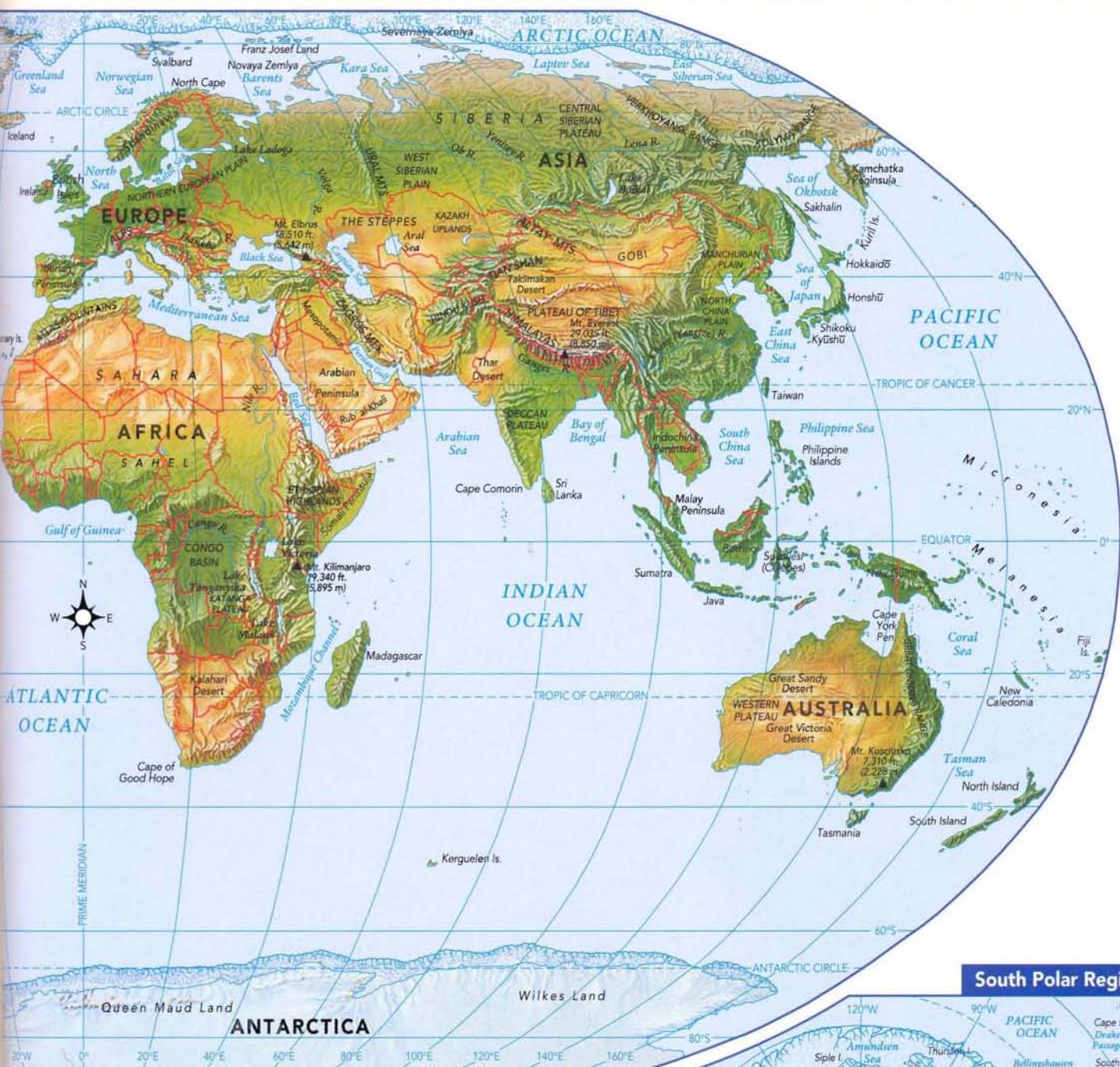


Geographic Features

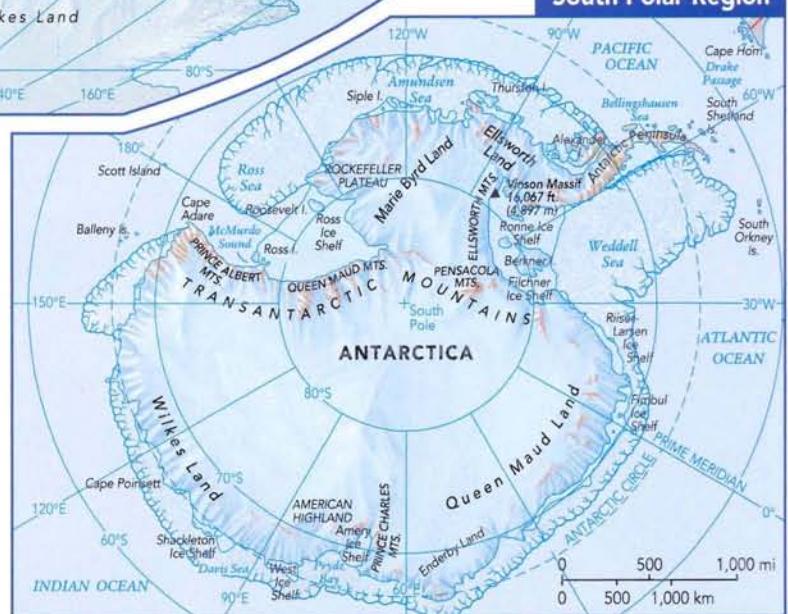
Climate

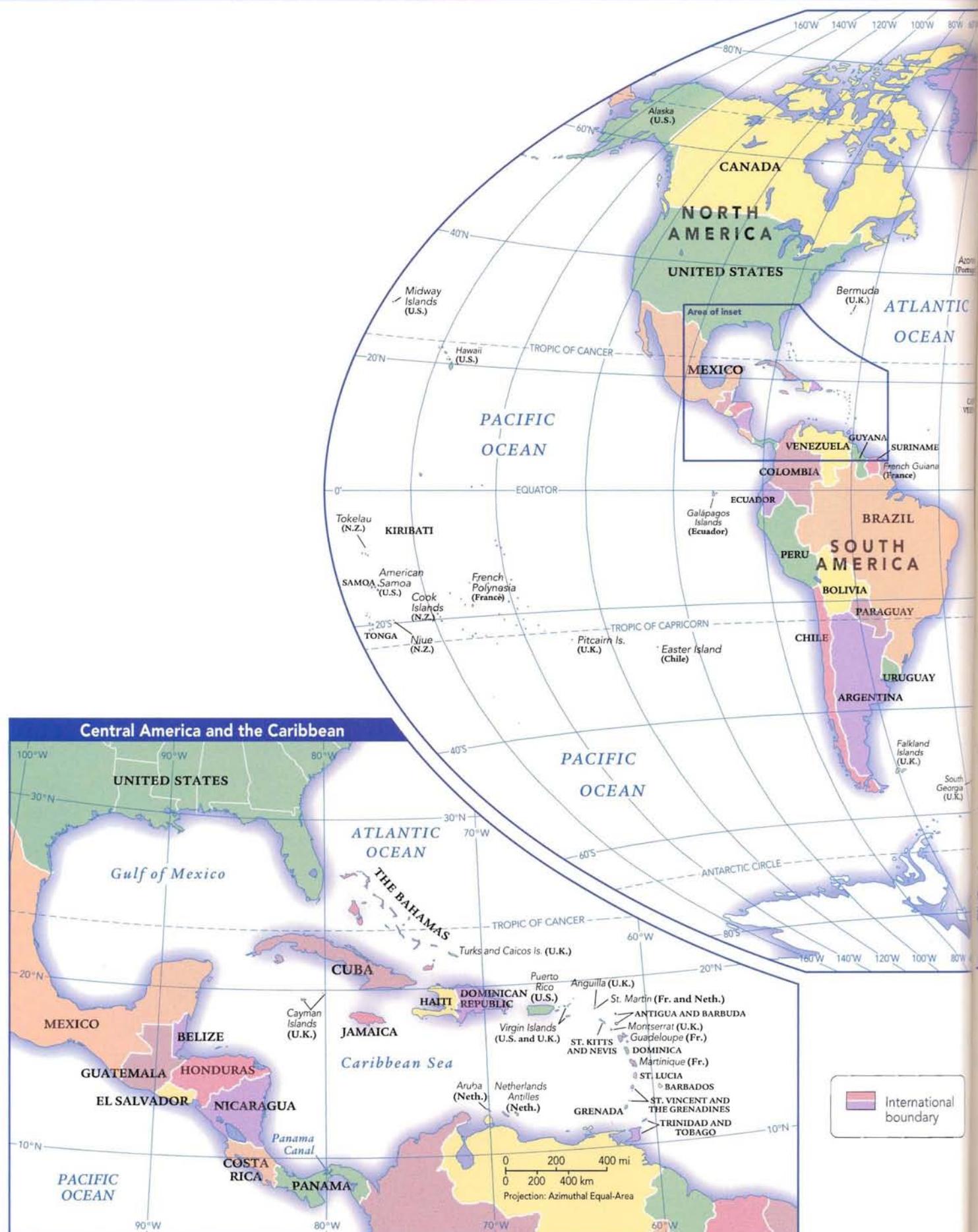
Land Cover

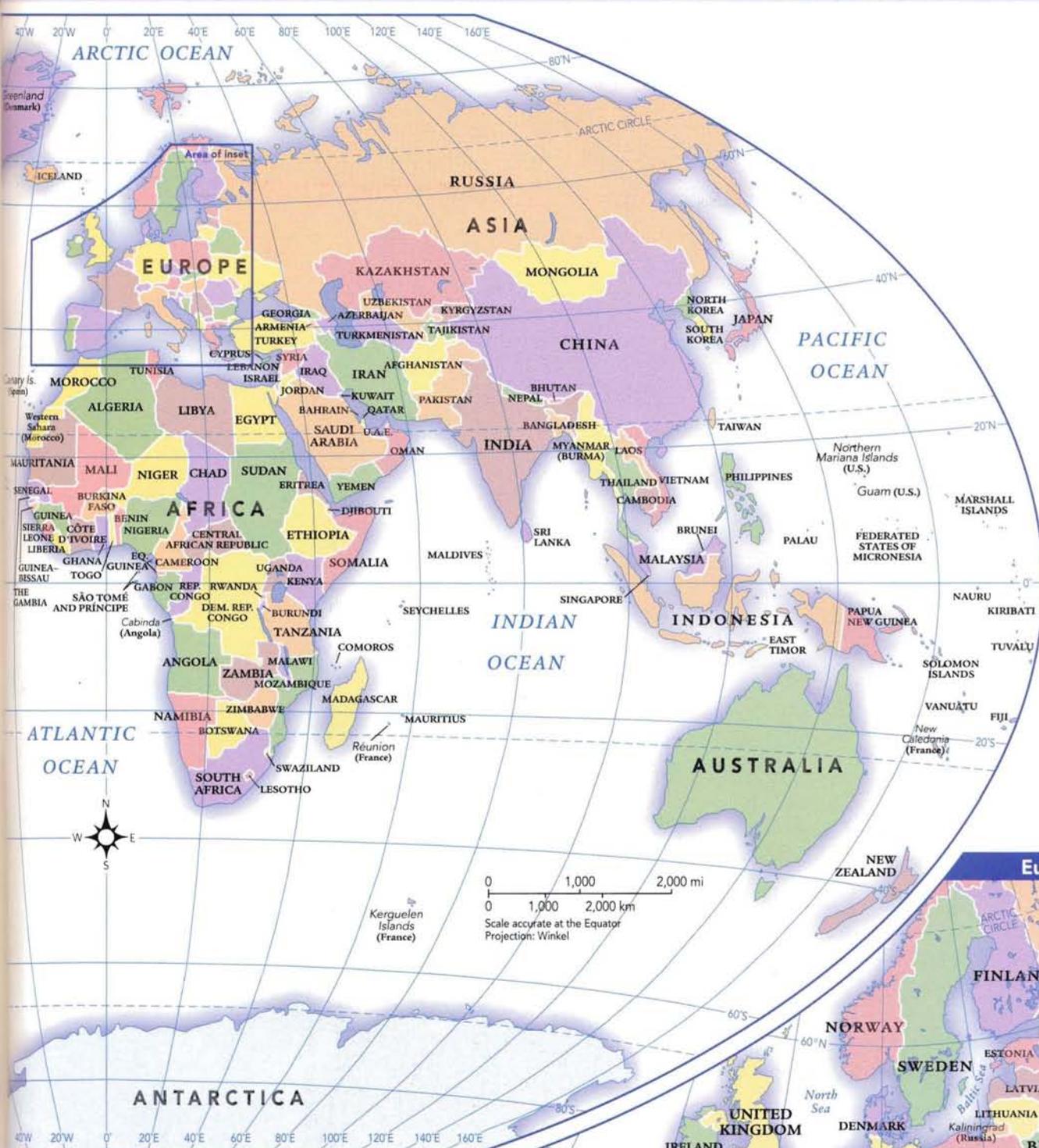
Environmental Issues



South Polar Region





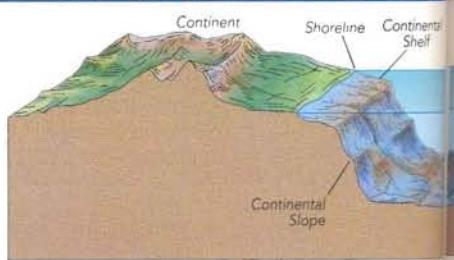
**Abbreviations**

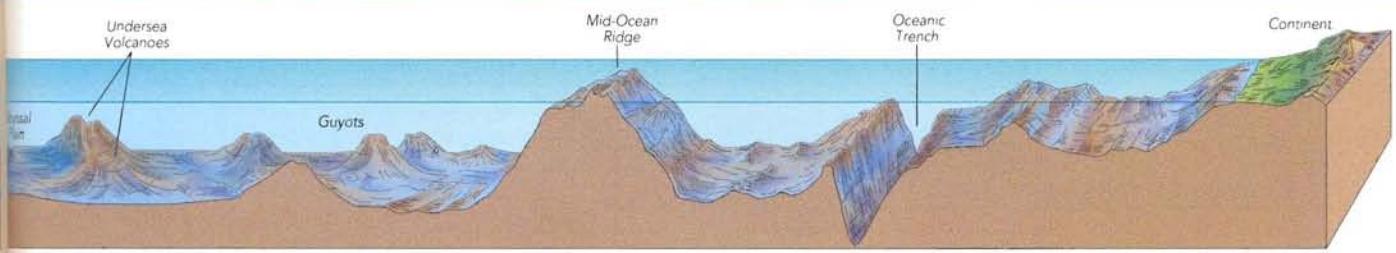
DEM. REP. CONGO	DEMOCRATIC REPUBLIC OF THE CONGO
EQ. GUINEA	EQUATORIAL GUINEA
NETH.	NETHERLANDS
N.Z.	NEW ZEALAND
REP. CONGO	REPUBLIC OF THE CONGO
U.A.E.	UNITED ARAB EMIRATES
U.K.	UNITED KINGDOM
U.S.	UNITED STATES





Surrounding most of the continents are gently sloping areas called continental shelves, which reach depths of about 650 ft. (200 m). At the edges of the continental shelves lie steeper continental slopes leading down to the deep ocean basin, or abyss. The abyss contains many of the same features we see on land, including plains, mountain ranges (ridges), isolated mountains (known as sea mounts or guyots), and trenches. The Mid-Ocean Ridge system marks the areas where crustal plates are moving apart, and is very active geologically, as molten rock rises and erupts to create new crust. Earthquakes and volcanoes are common along many undersea trenches and ridges.





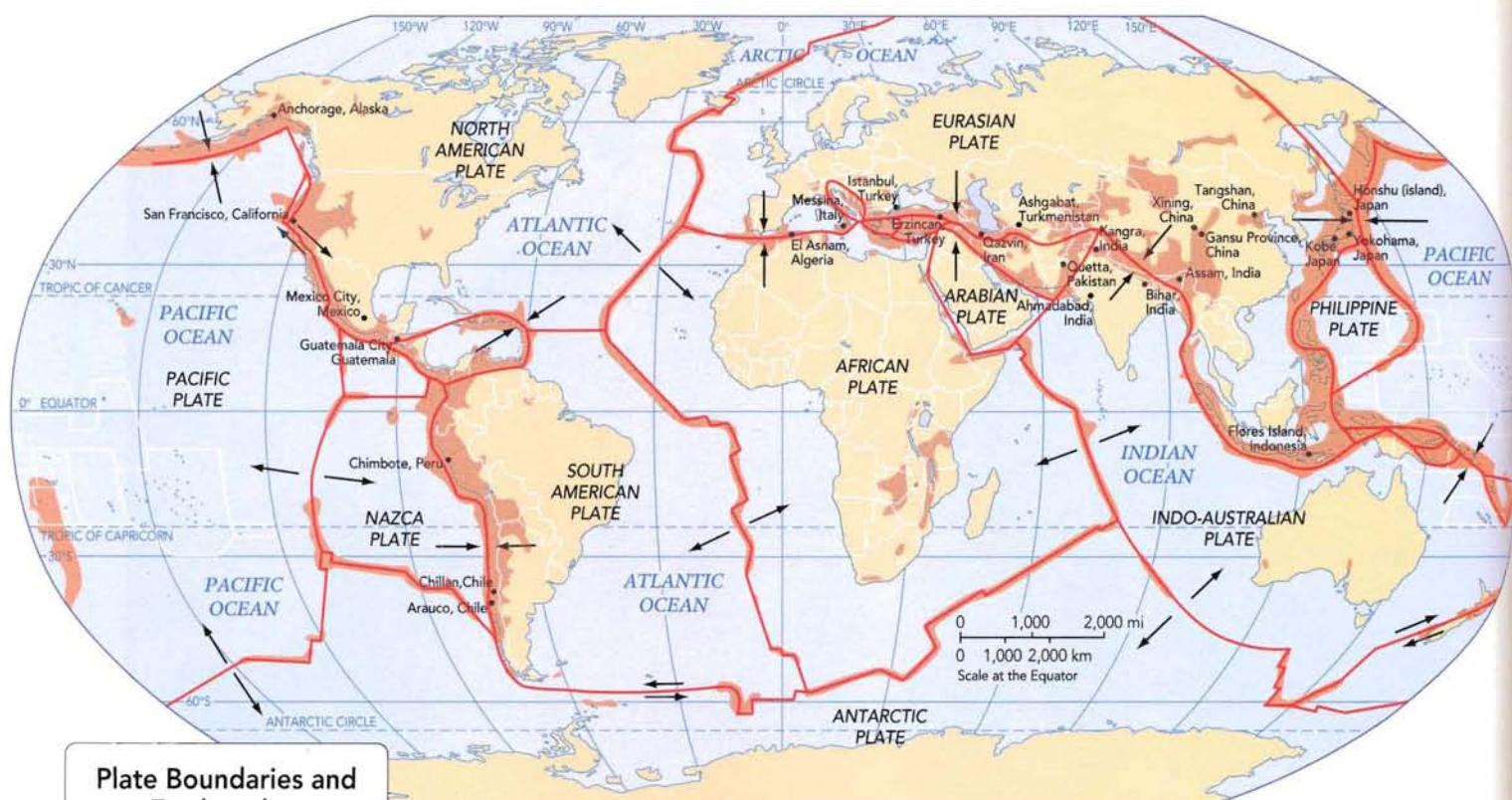


Plate Boundaries and Earthquakes

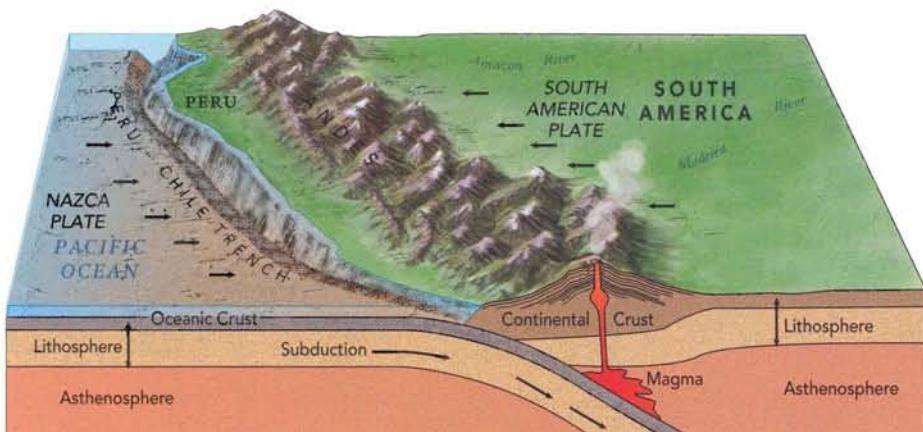
- Earthquake region
- Location of major earthquake
- Plate boundary
- Direction of plate movement

The movement of Earth's crustal plates causes the phenomena known as earthquakes. The surface of the Earth actually moves or quakes. An **earthquake** can have the destructive energy of an atomic bomb. However, thousands of earthquakes occur each day all over the world without most people realizing it.

The majority of earthquakes occur along a **fault**. A fault is usually a weak or broken area in the rocks beneath the surface of the Earth, but some, like the *San Andreas Fault* in California, can be seen on the surface. See pages 58–59 to learn more about faults.

The Richter Scale measures the energy of an earthquake. This measurement is obtained from the focus, or hypocenter, the spot where the first break in the rock layers occurs. The spot on the surface of the Earth, directly above the focus and nearest to the source of energy is called the epicenter.

Earthquake damage is caused by this energy, called seismic energy, moving through the rocks or along the surface. Many geographic factors, both physical and human, determine how much damage is done by these seismic waves of energy.



Major Earthquakes since 1900

Date	Location	Richter Scale Magnitude
April 4, 1905	Kangra, India	8.6
April 18, 1906	San Francisco, California	7.8
Dec. 28, 1908	Messina, Italy	7.5
Dec 16, 1920	Gansu Province, China	8.6
Sept. 1, 1923	Sagami Bay (near Yokohama), Japan	8.3
May 22, 1927	Xining, China	8.3
Dec. 25, 1932	Gansu Province, China	7.6
March 2, 1933	off northeast coast of Honshu, Japan	8.9
Jan. 15, 1934	Bihar, India/Nepal	8.4
May 30, 1935	Quetta, Pakistan	7.5
Jan. 25, 1939	Chillán, Chile	8.3
Dec. 26, 1939	Erzincan, Turkey	8.0
Dec. 21, 1946	Honshu, Japan	8.4
Oct. 5, 1948	Ashgabat, Turkmenistan	7.3
Aug. 15, 1950	Assam, India	8.7
May 22, 1960	Arauco, Chile	9.5
March 27, 1964	Anchorage, Alaska	9.2
May 31, 1970	Northern Peru, near Chimbote	7.8
Feb. 4, 1976	Guatemala City, Guatemala	7.5
July 28, 1976	Tangshan, China	8.0
Oct. 10, 1980	El Asnam, Algeria	7.7
Sept. 19, 1985	Mexico City, Mexico	8.1
June 20, 1990	Western Iran, near Qazvin	7.7
Dec. 12, 1992	Flores Island, Indonesia	7.5
Jan. 17, 1995	Kobe, Japan	6.9
Aug. 17, 1999	Istanbul, Turkey	7.4
Jan. 26, 2001	Ahmadabad, India	7.7

Source: National Earthquake Information Center, U.S.G.S.

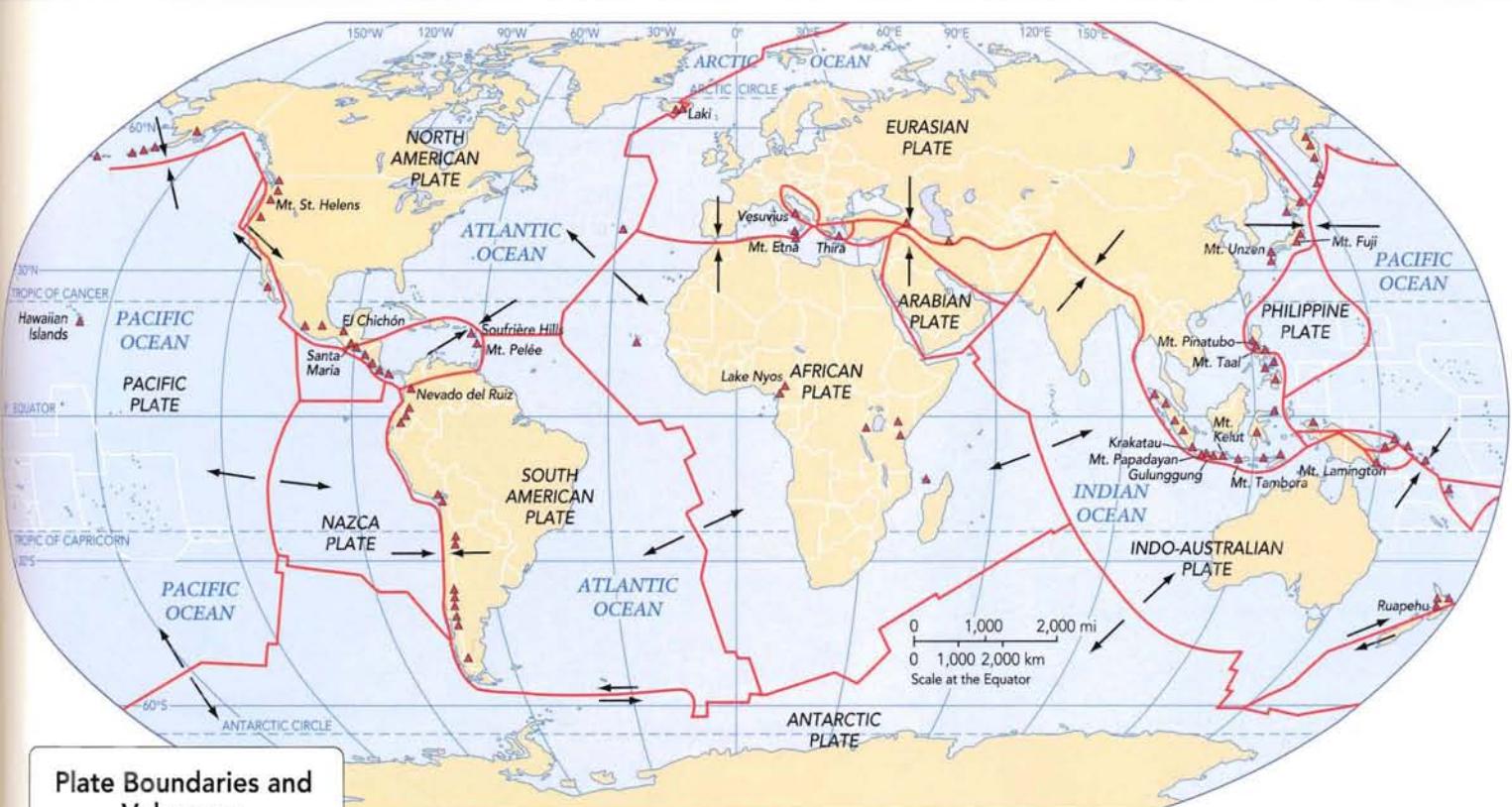


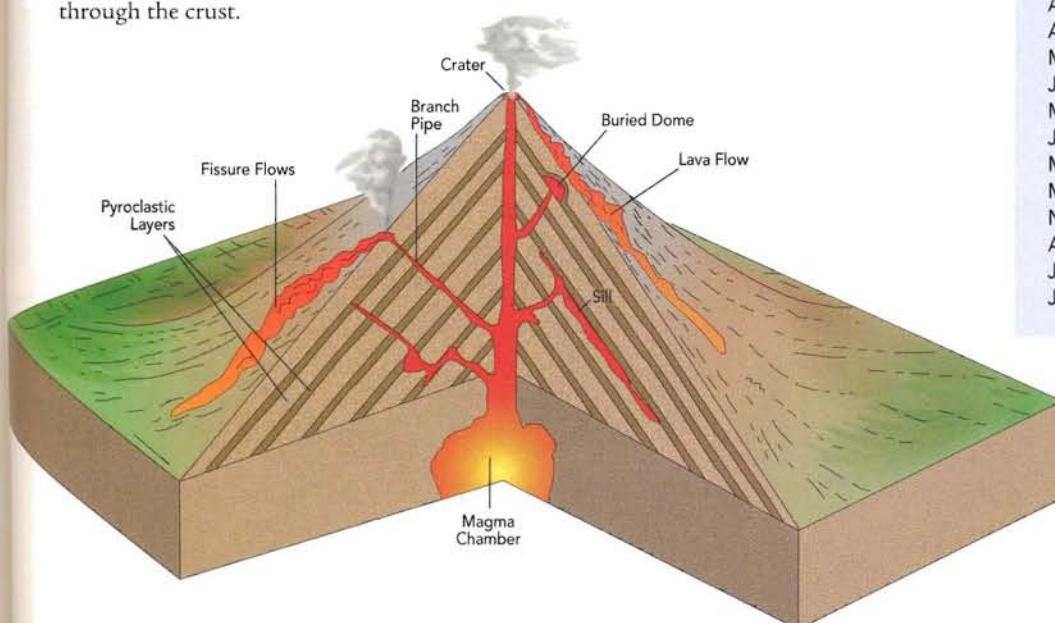
Plate Boundaries and Volcanoes

- ▲ Volcano
- Plate boundary
- Direction of plate movement

A **volcano** is an opening in the Earth's crust often capped by a cone-shaped hill or mountain formed from erupted lava and ash.

Volcanoes are associated with plate boundaries. Powerful forces occurring far beneath the surface at the edges of plates cause rock to melt and, at the same time, open cracks in the crust. An eruption occurs when magma (melted rock) flows, and many times explodes, through a weakness, such as a crack in the Earth's crust. Once magma is flowing on the Earth's surface it is called lava. Flowing lava can be several thousand degrees Fahrenheit.

In a few cases, volcanoes exist without being near the edge of a plate. In these cases, such as the Hawaiian Islands, a powerful and persistent flow of magma has broken through the crust.



Some Notable Volcanic Eruptions

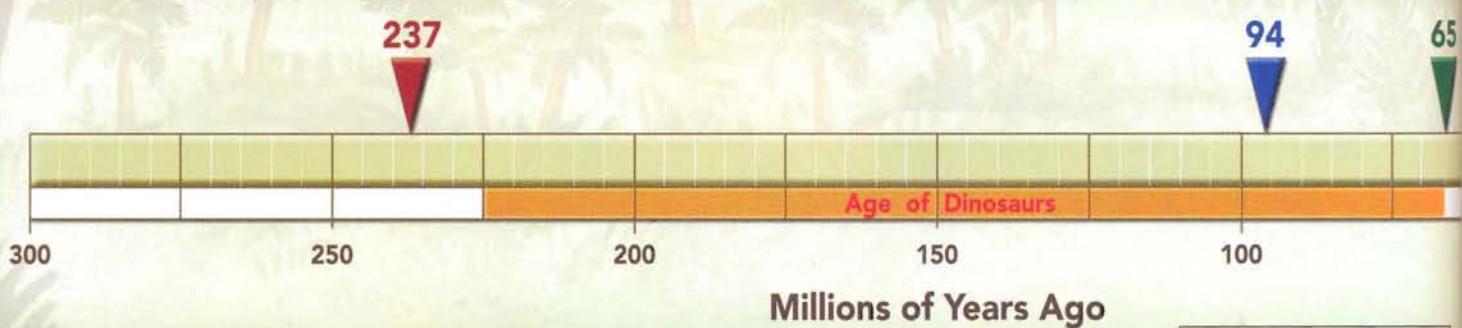
Date	Location
1500 B.C.	Thira (Santorini), Greece
Aug. 24, A.D. 79	Vesuvius, Italy
1169	Mt. Etna, Italy
1586	Mt. Kelut, Java, Indonesia
Dec. 15, 1631	Vesuvius, Italy
March–July, 1669	Mt. Etna, Italy
Aug. 12, 1772	Mt. Papandayan, Java, Indonesia
June 8, 1783	Laki, Iceland
May 21, 1792	Mt. Unzen, Japan
Apr. 10–12, 1815	Mt. Tambora, Sumbawa, Indonesia
Oct. 8, 1822	Galunggung, Java, Indonesia
Aug. 26–28, 1883	Krakatau, Indonesia
Apr. 24, 1902	Santa María, Guatemala
May 8, 1902	Mt. Pelée, Martinique
Jan. 30, 1911	Mt. Taal, Philippines
May 19, 1919	Mt. Kelut, Java, Indonesia
Jan. 17–21, 1951	Mt. Lamington, New Guinea
May 18, 1980	Mt. St. Helens, United States
Mar. 28, 1982	El Chichón, Mexico
Nov. 13, 1985	Nevado del Ruiz, Colombia
Aug. 21, 1986	Lake Nyos, Cameroon
June 15, 1991	Mt. Pinatubo, Philippines
June–Sept., 1997	Soufrière Hills, Montserrat

237 Million Years Ago



This peculiar—to our eyes—arrangement of continents with its unfamiliar oceans and seas, mountains and plains, and peninsulas and islands reminds us that the dinosaurs lived in a far different landscape than our own. As the last dinosaurs receded into memory, the future Atlantic Ocean and Mediterranean Sea were becoming more substantial

and recognizable, and the continents, except for Australia and Antarctica, were nearing their present latitudes. Within the last 65 million years, most continents nested unhurriedly into their current positions. However, the Indian sub-continent “sprinted” north, crashing into Asia and bulldozing up the Himalayas, earth’s loftiest mountain range.

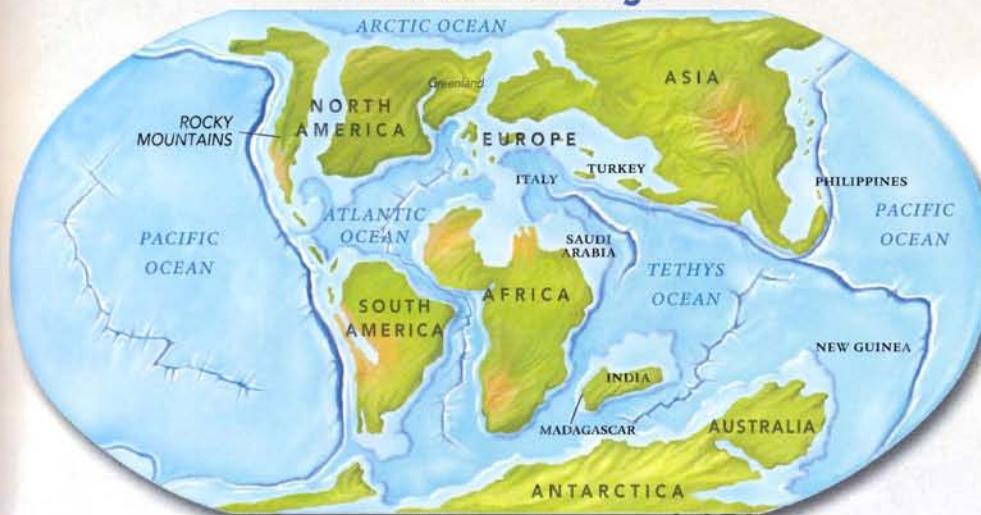


DECEMBER						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

JANUARY

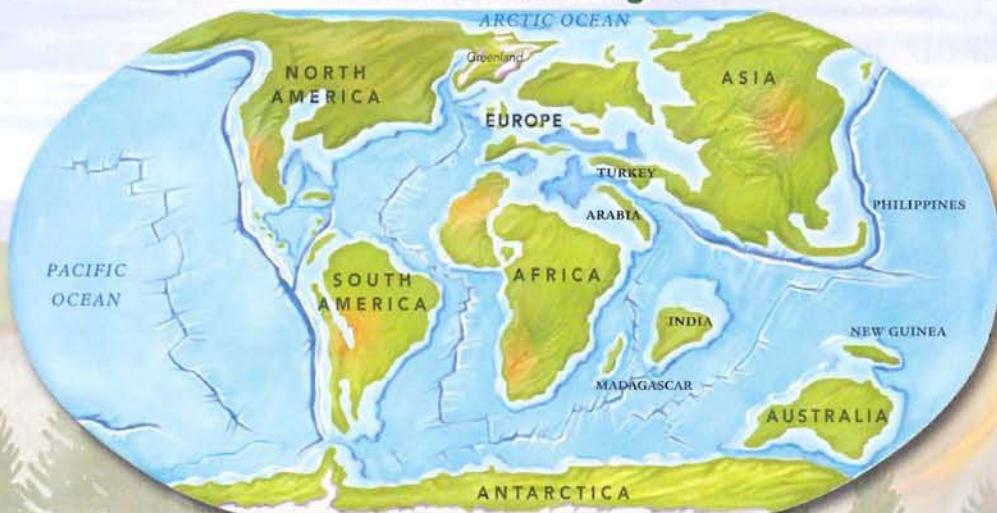
NOVEMBER	OCTOBER	SEPTEMBER

94 Million Years Ago



The highly controversial theory of Continental Drift was proposed in 1915 by Alfred Wegener to explain both geologic and fossil discoveries. Although supported by strong data and seemingly obvious visual evidence—most notably, the close fit of the coastlines of Africa and South America—the theory was rejected by other scientists. By the 1960s, further studies, especially those that discovered that some rocks contained a record of the alignment of the Earth's magnetic field, resurrected the theory, which was redefined under the term Plate Tectonics. Few scientists now dispute its general premise, that continental and oceanic plates move atop a layer of hot and semi-solid rock below them, although many details, particularly the causes and mechanics of the motion, are still not well understood.

65 Million Years Ago

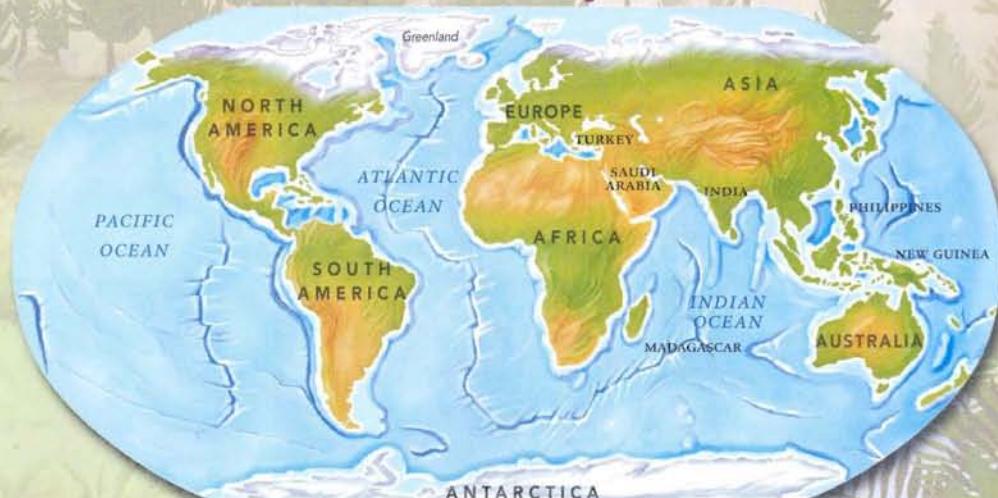


Present day

Humans

0

Present Day



If a year (365 days) represented the approximate age of the Earth (4.5 billion years), then the first map which shows the Earth 237 million years ago, would have occurred about December 13th. 94 and 65 million years ago would have occurred about December 25th and 27th respectively.

Recorded history started about 5,500 years ago: on this calendar, that would have been about 21 seconds before the New Year.

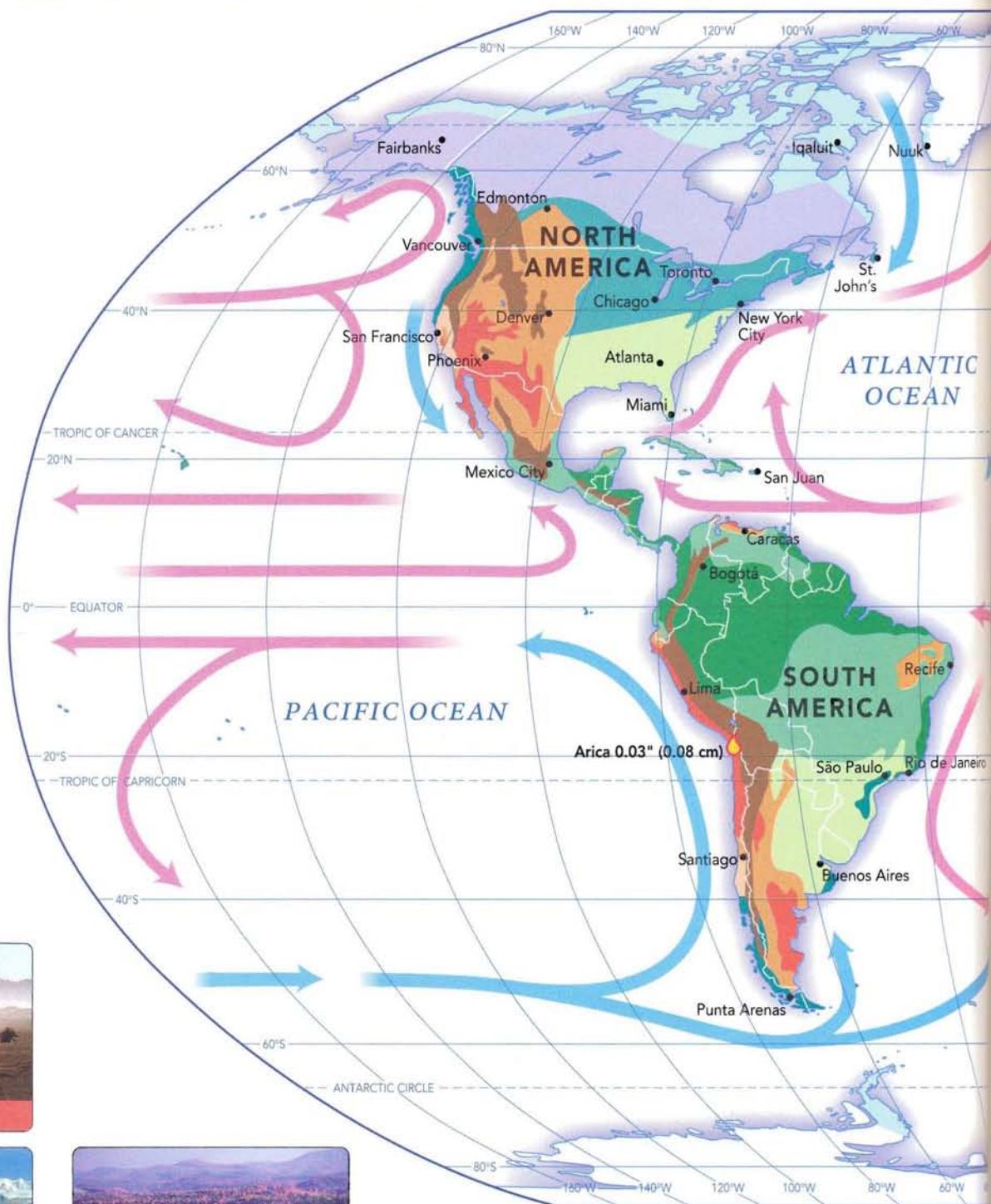
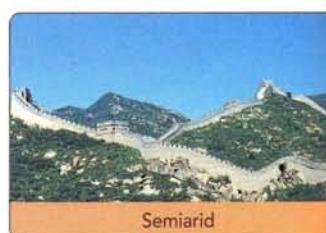
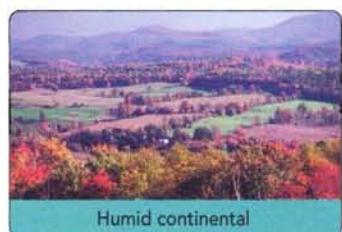
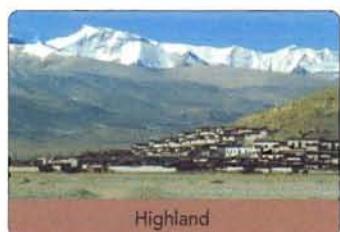
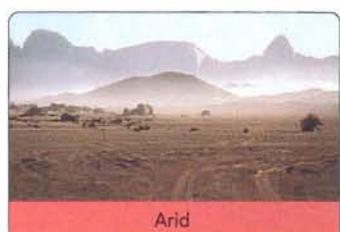
Climate

- █ Tropical wet
- █ Tropical wet and dry
- █ Arid
- █ Semiarid
- █ Mediterranean
- █ Humid subtropical
- █ Marine
- █ Humid continental
- █ Subarctic
- █ Tundra
- █ Ice cap
- █ Highland

- ◐ Highest average annual precipitation
- ◑ Lowest average annual precipitation
- ◐ Highest recorded temperature
- ◑ Lowest recorded temperature

Major Ocean Currents

- ◀ Cool currents
- ◀ Warm currents

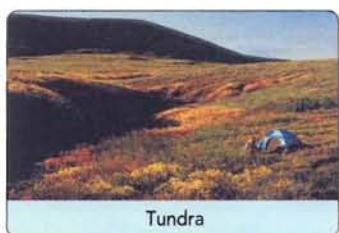
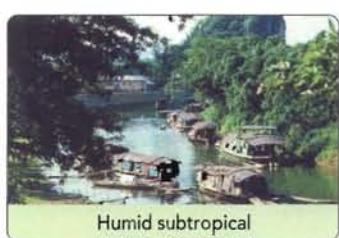
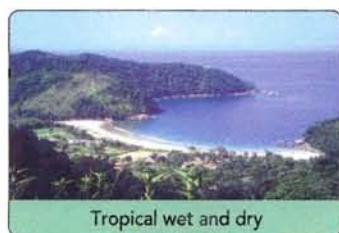
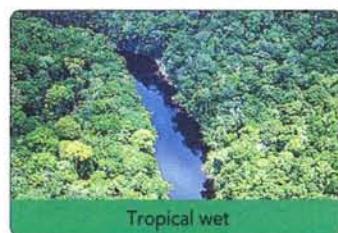
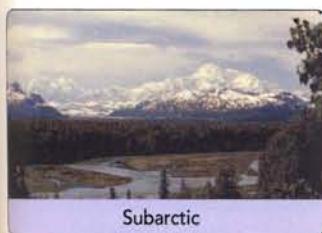
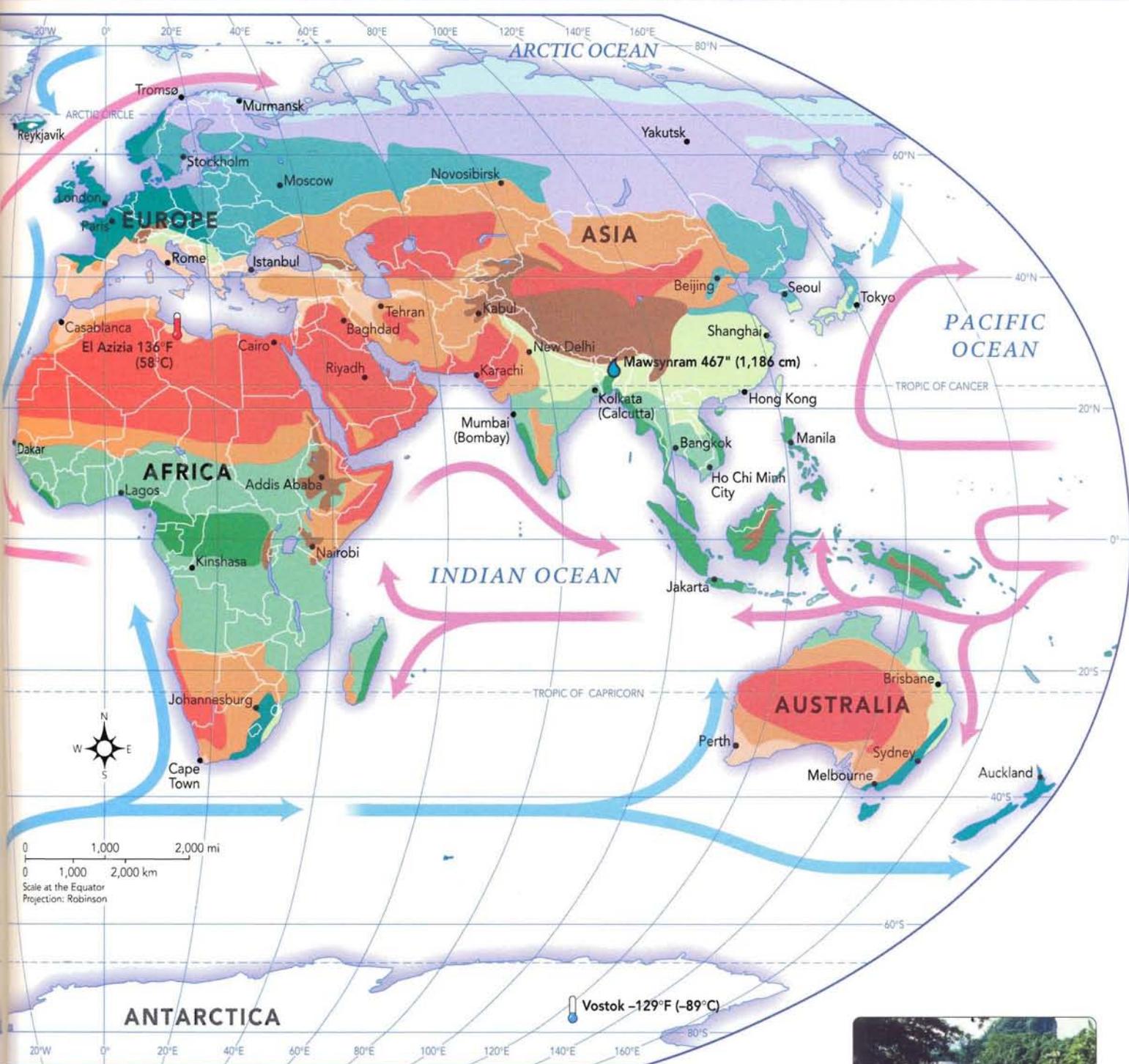


Geographic Features

Climate

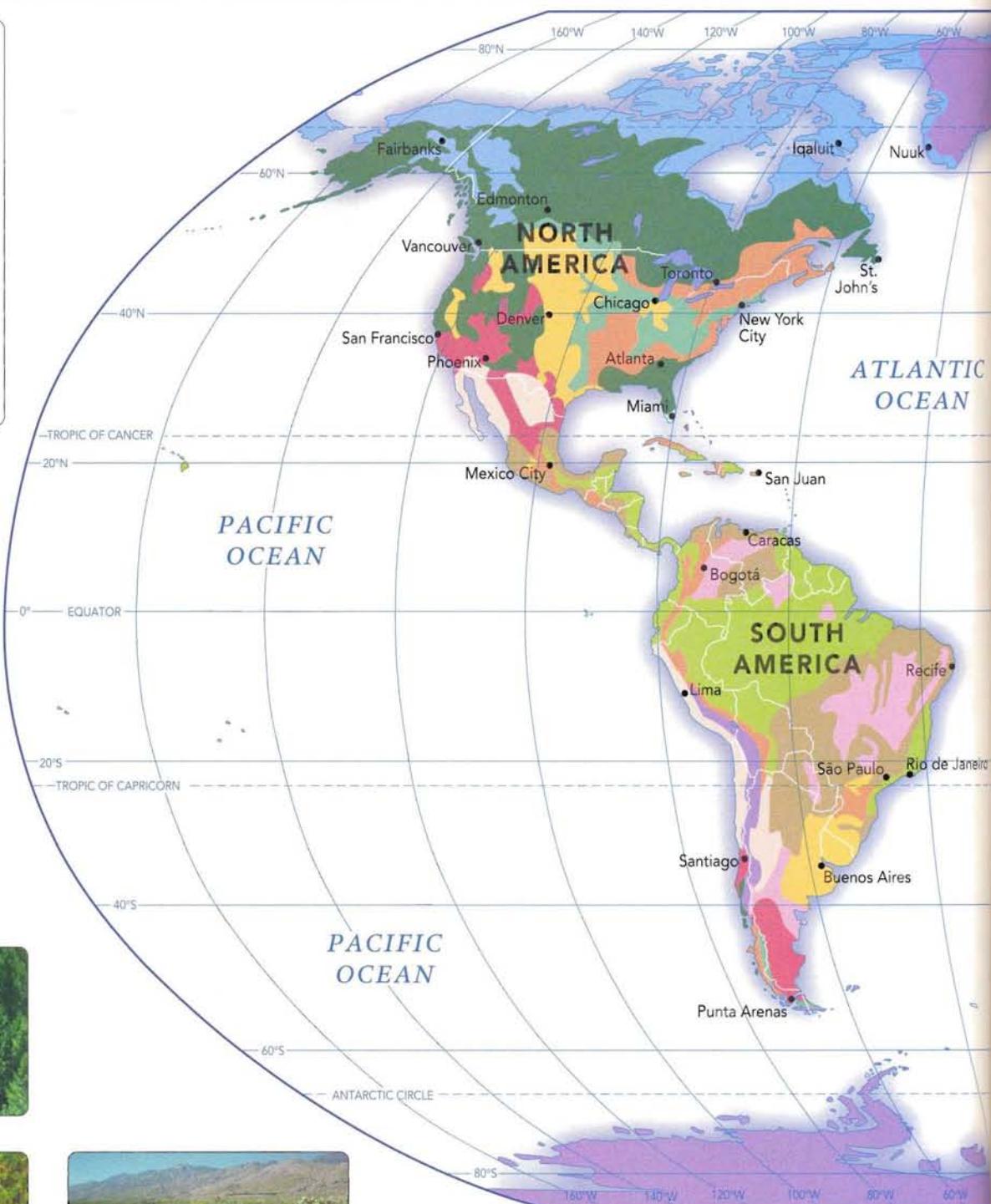
Land Cover

Environmental Issues



Vegetation

- Unclassified highlands or ice cap
- Tundra and alpine tundra
- Coniferous forest
- Midlatitude deciduous forest
- Subtropical broadleaf evergreen forest
- Mixed forest
- Midlatitude scrubland
- Midlatitude grassland
- Desert
- Tropical seasonal and scrub
- Tropical rain forest
- Tropical savanna



Coniferous forest



Deciduous forest



Desert



Midlatitude scrubland



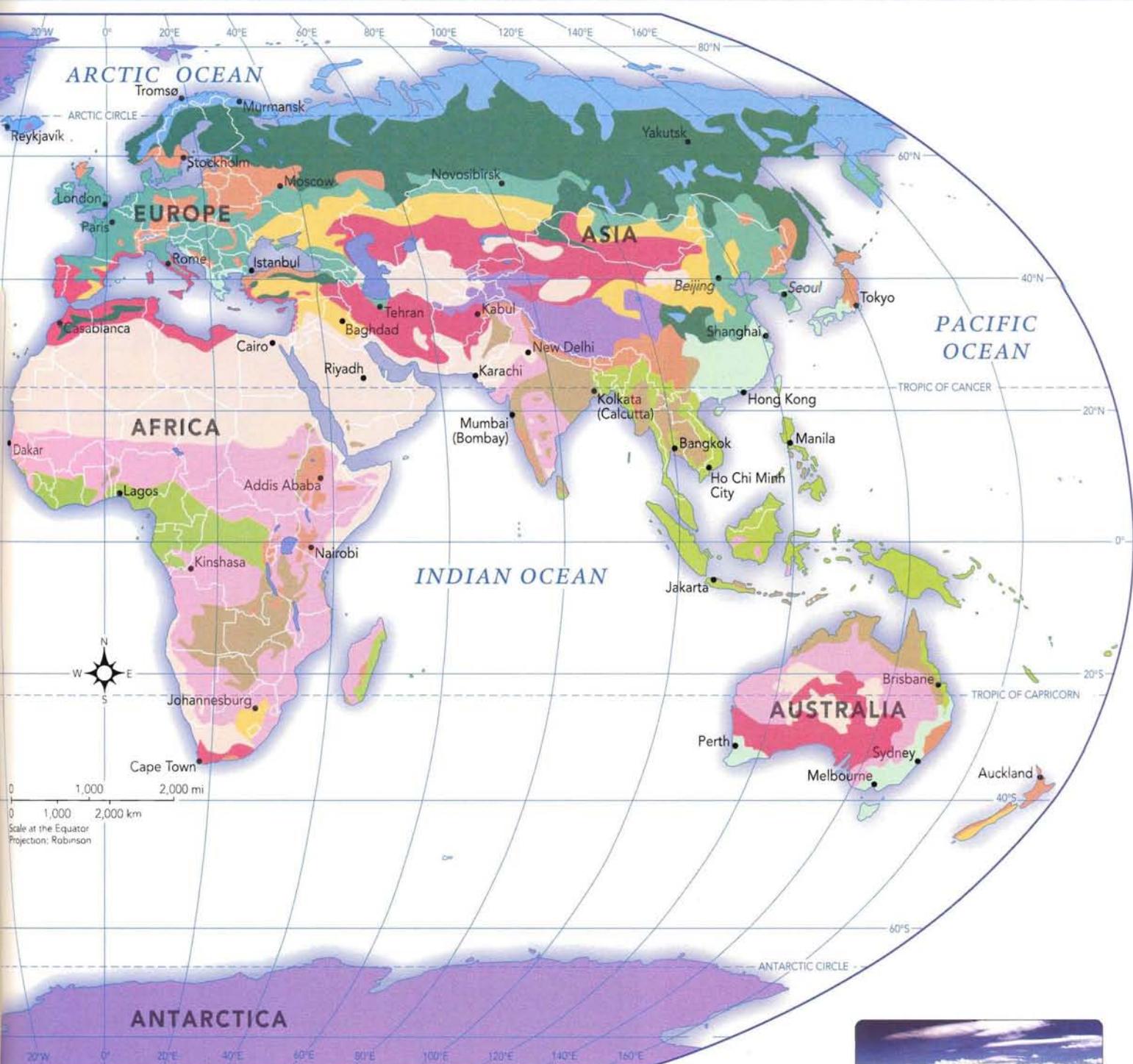
Mixed forest



Subtropical broadleaf evergreen forest



Tropical rain forest



Midlatitude grassland



Tropical savanna



Tropical seasonal and scrub



Tundra and alpine tundra

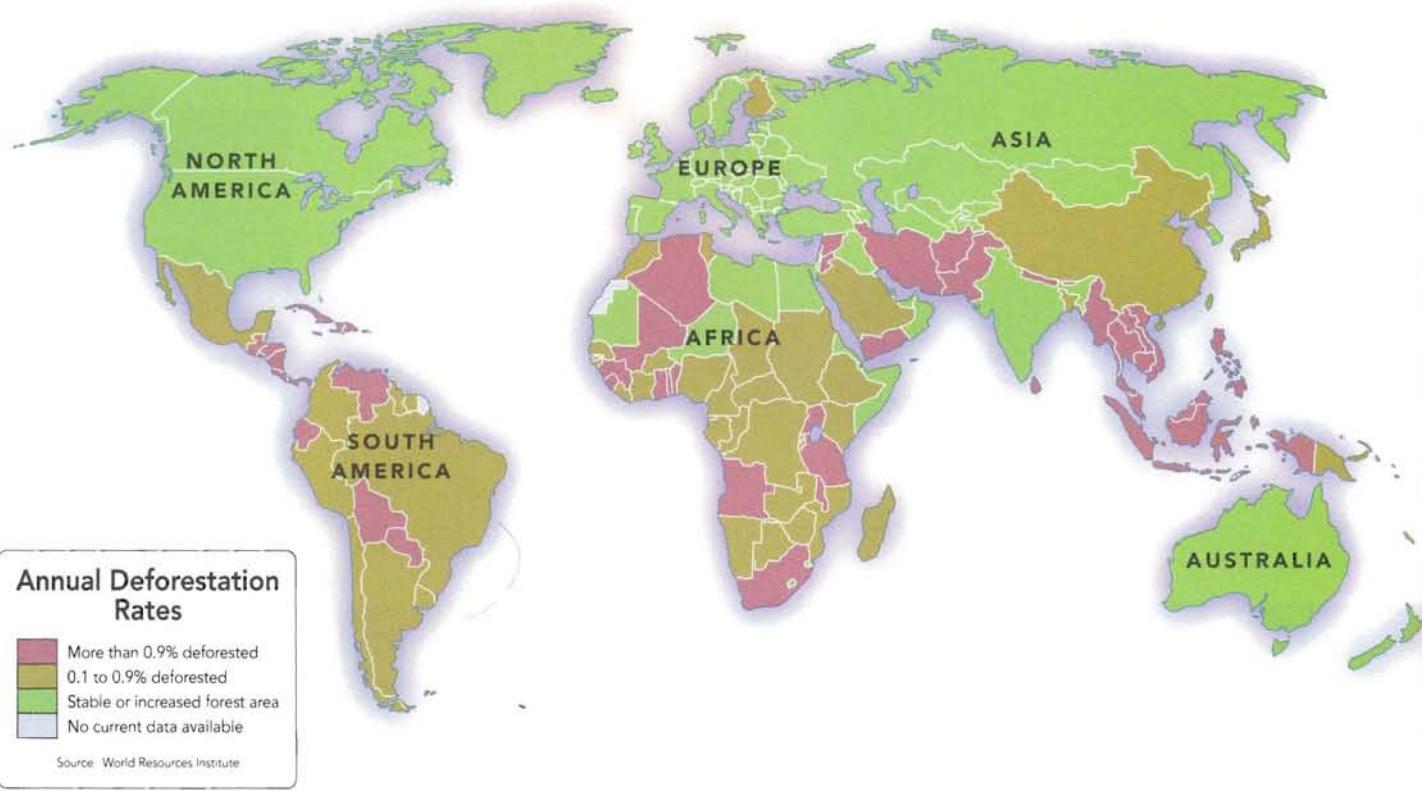
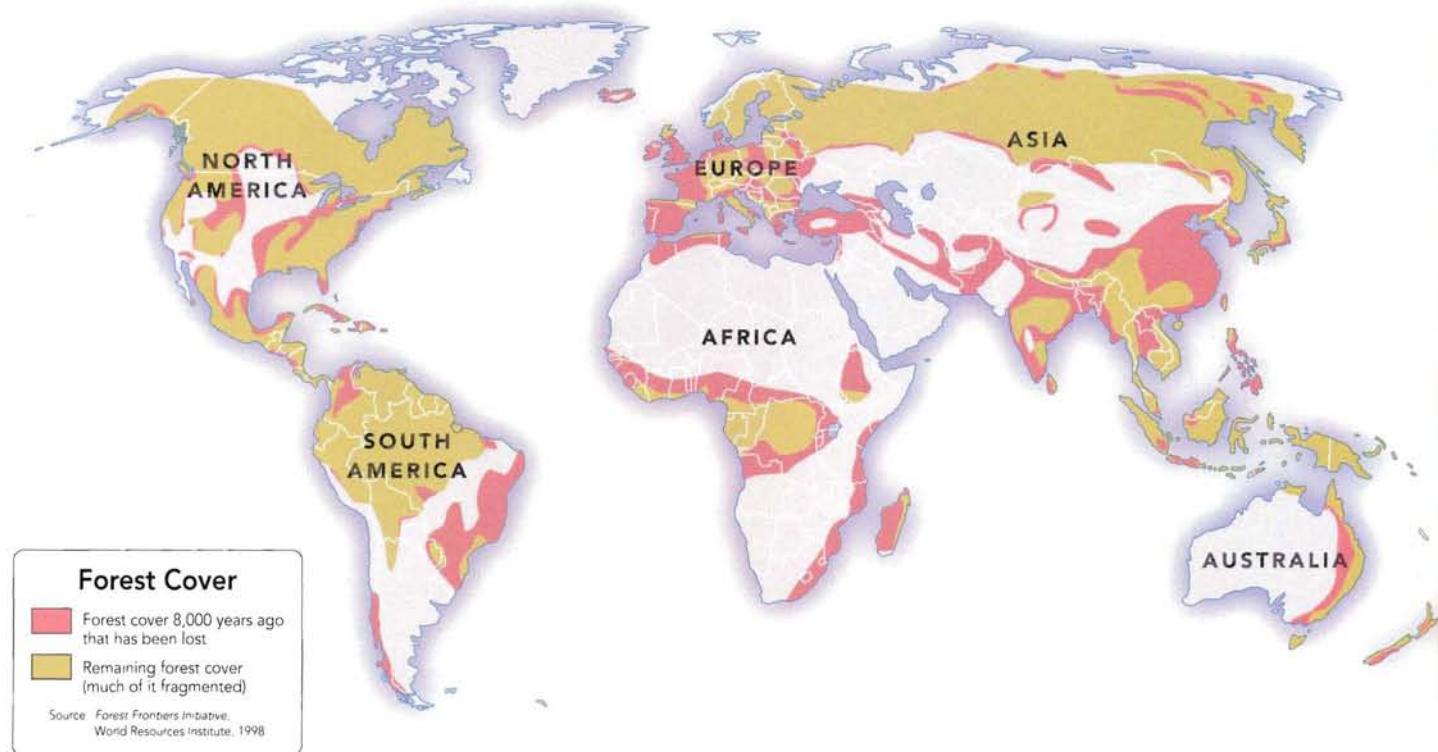


Unclassified highlands or ice cap

World Forest Cover

Forests help regulate climate by storing huge amounts of carbon dioxide, while providing habitats for countless animal and plant species. Environmentalists have

voiced concern over a long-term decrease in forest cover, as forest lands have been cleared for such purposes as farming, logging, mining, and urban expansion.



Tropical Rain Forests

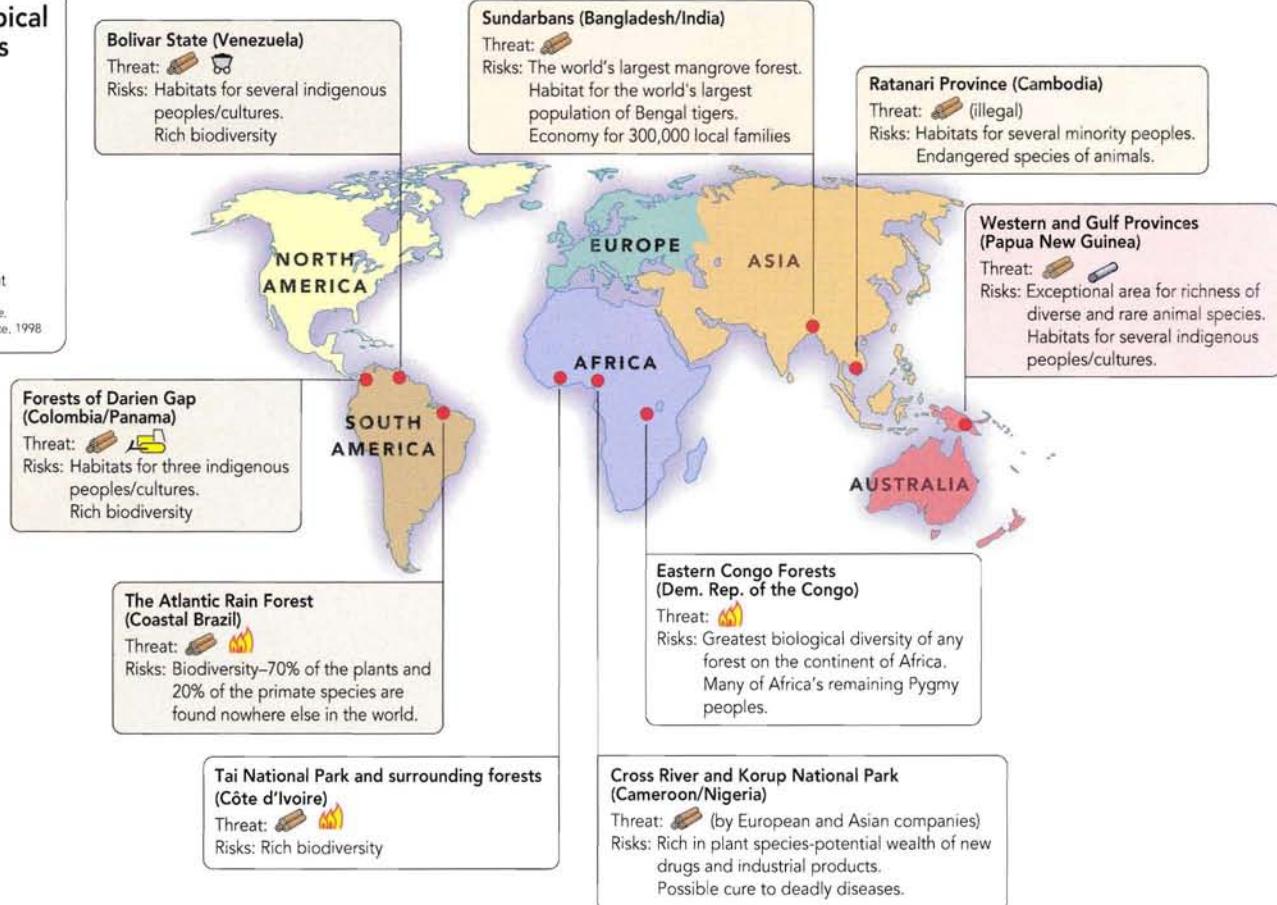
Tropical rain forests, found around the Earth within 10 degrees of the equator, contain more than half of all the world's plants and animal species, besides being home to many indigenous peoples. They are vital to the

balance of nature. In the past 40 years alone, about one-fifth of the acreage has been cleared for logging and other purposes. These rain forests, including the major forests pinpointed here, remain under serious threat.

Threats to Tropical Rain Forests

- Agricultural clearing
- Highway construction
- Logging
- Mining
- Pipeline development

Source: Forest Frontiers Initiative,
World Resources Institute, 1998

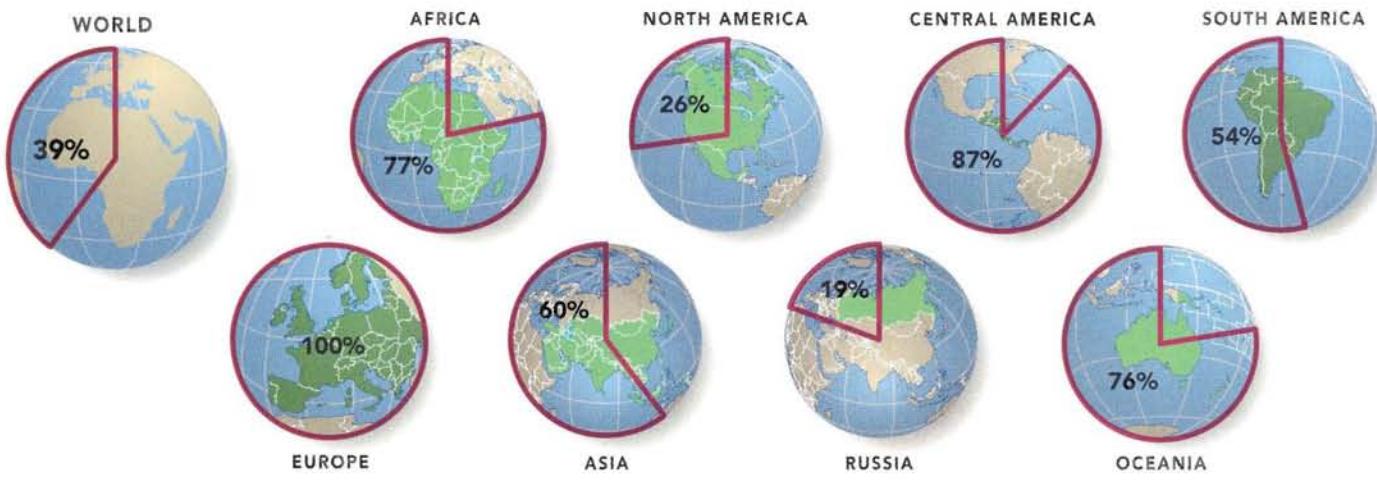


Percentage of Frontier Forest Under Moderate or High Threat of Destruction (through 2030)

Source: Forest Frontiers Initiative,
World Resources Institute, 1998

According to the World Resources Institute, only about one-fifth of the Earth's forest cover of 8,000 years ago survives unfragmented, in the large unspoiled tracts it calls

frontier forests. These forests are big enough to provide stable habitats for a rich diversity of plant and animal species.



Population

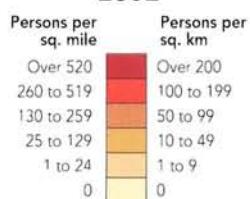
Population Issues

Languages/ Literacy/Religions

Land Use/GDP/ Employment

Mining/Energy

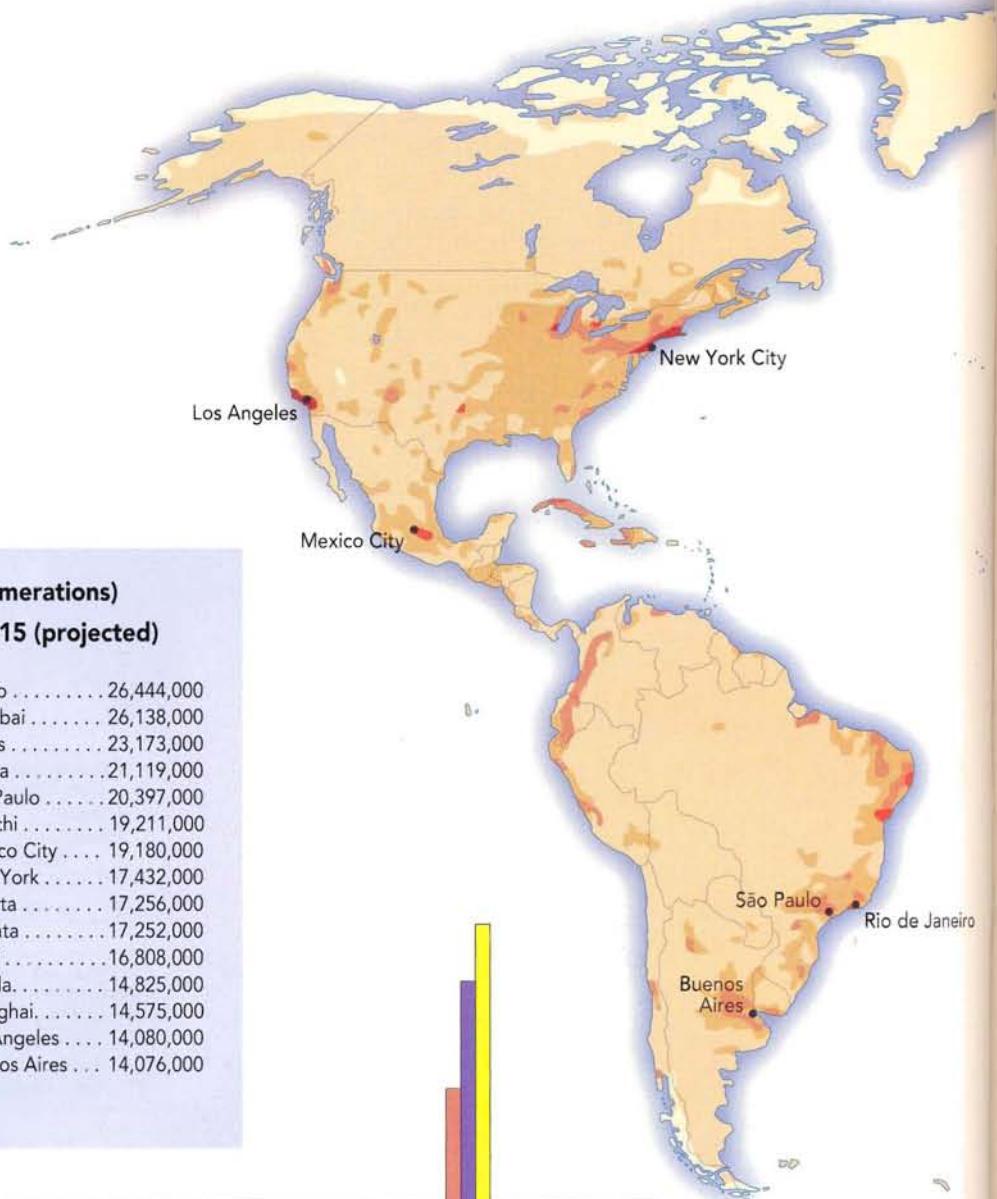
Population Density 2002



- Urban agglomerations with over 10,000,000 inhabitants

World population total as of March 1, 2003:
6,277,603,768
(Every day it increases by about 202,500)

Source: International Programs Center,
U.S. Bureau of the Census.



Largest Cities (urban agglomerations)

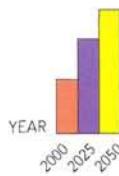
2000

2015 (projected)

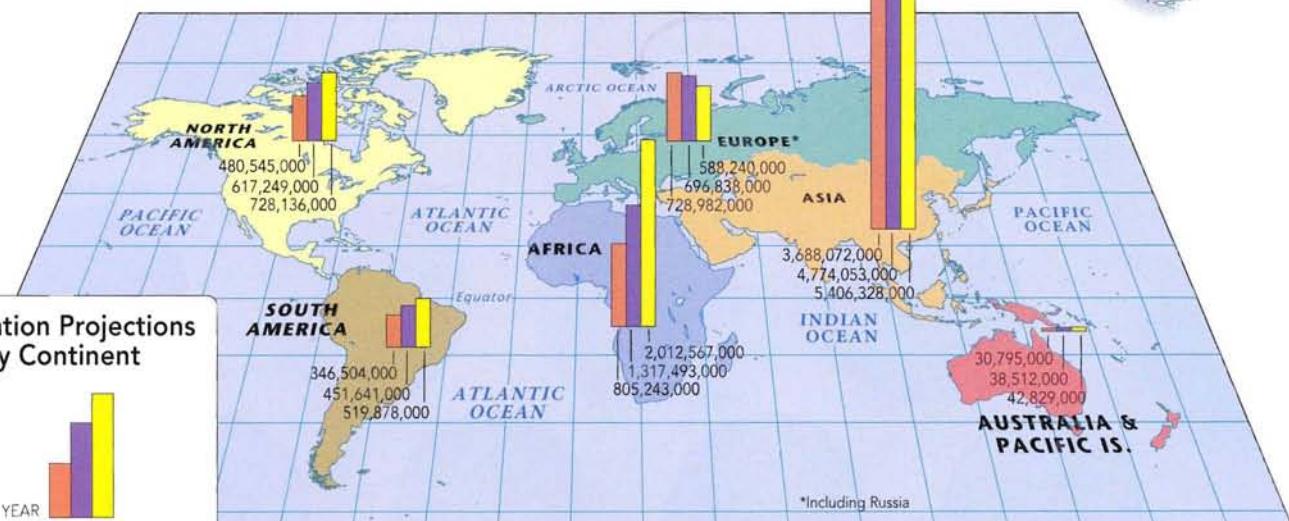
1 Tokyo	26,444,000	1 Tokyo	26,444,000
2 Mexico City	18,131,000	2 Mumbai	26,138,000
3 Mumbai	18,066,000	3 Lagos	23,173,000
4 São Paulo	17,755,000	4 Dhaka	21,119,000
5 New York	16,640,000	5 São Paulo	20,397,000
6 Lagos	13,427,000	6 Karachi	19,211,000
7 Los Angeles	13,140,000	7 Mexico City	19,180,000
8 Kolkata	12,918,000	8 New York	17,432,000
9 Shanghai	12,887,000	9 Jakarta	17,256,000
10 Buenos Aires ...	12,560,000	10 Kolkata	17,252,000
11 Dhaka	12,317,000	11 Delhi	16,808,000
12 Karachi	11,794,000	12 Manila	14,825,000
13 Delhi	11,695,000	13 Shanghai	14,575,000
14 Jakarta	11,018,000	14 Los Angeles	14,080,000
15 Osaka	11,013,000	15 Buenos Aires ...	14,076,000

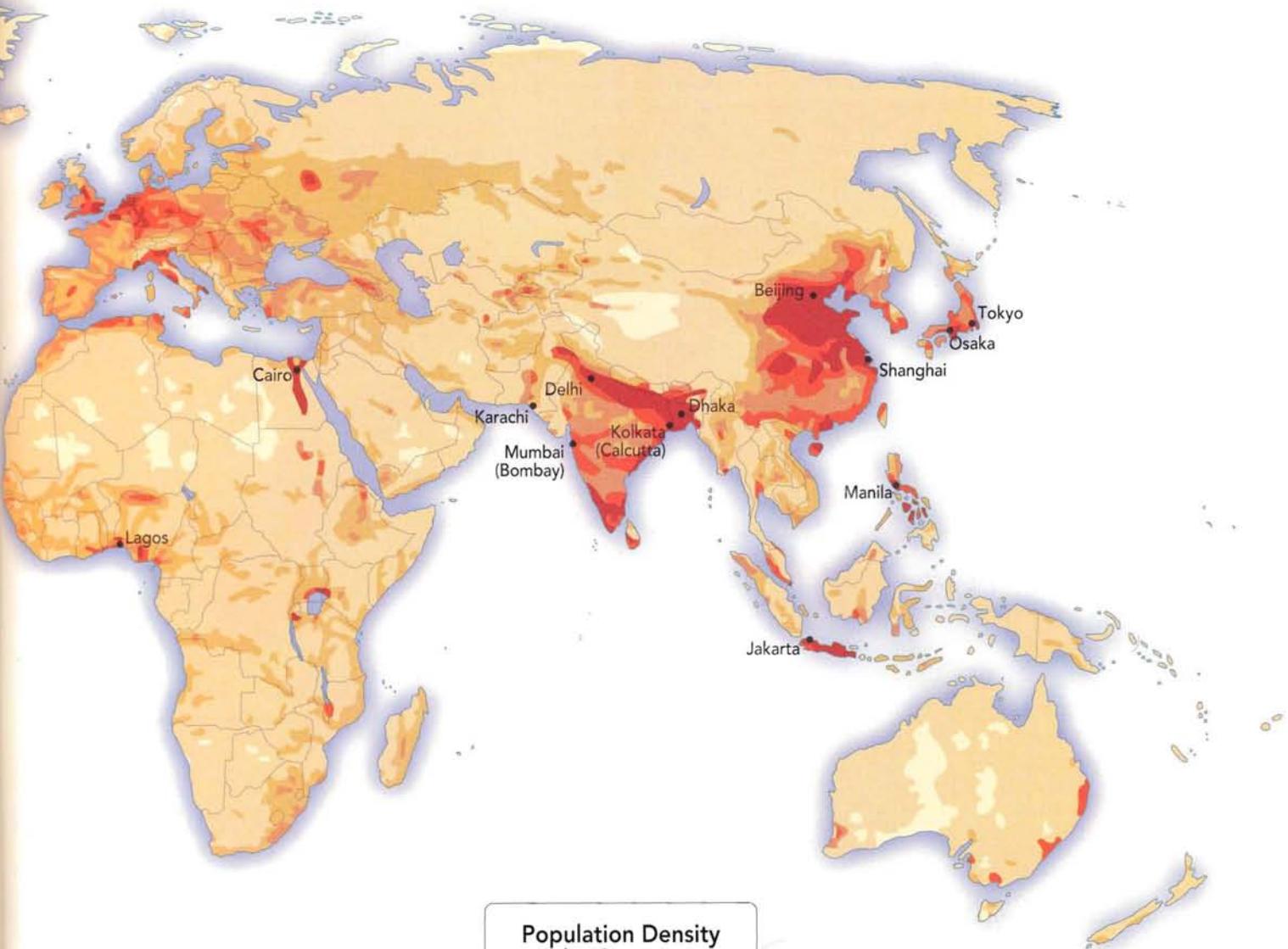
Source: United Nations Population Division

Population Projections by Continent



Source: U.S. Bureau of the Census,
International Data Division





Population Density by Country

Persons per sq. mile	Persons per sq. km
1170 and over	450 and over
780 to 1169	300 to 449
390 to 779	150 to 299
195 to 389	75 to 149
65 to 194	25 to 74
Under 65	Under 25
	Other countries

Source: U.S. Bureau of the Census,
U.S. Dept. of Commerce

Population Density of the Current Most Populous Countries

2000	Persons per square mile	2050 (projected)	Persons per square mile
China	330	China	360
India	800	India	1,450
United States	70	United States	100
Indonesia	290	Indonesia	450
Brazil	50	Brazil	70
Russia	20	Russia	20

2000



2050



Life Expectancy

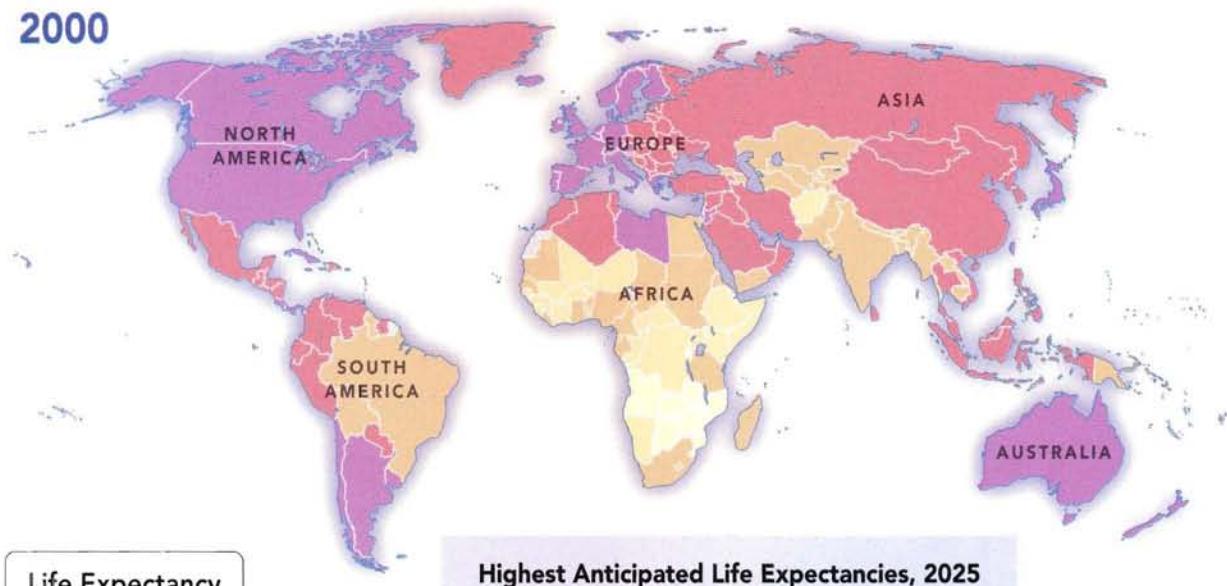
Life expectancy at birth is a common measure of the number of years a person may expect to live. There are many factors, such as nutrition, sanitation, health and medical services, that contribute to helping people live longer.

As some of the above factors improve in the develop-

ing countries, life expectancy there should increase. But most of sub-Saharan Africa will have less than average life expectancies.

Although it is not included here, females almost always have a longer life expectancy than males.

2000



Life Expectancy (in years)

75 to 84
65 to 74
50 to 64
40 to 49
Less than 40
No data

Source: U.S. Census Bureau

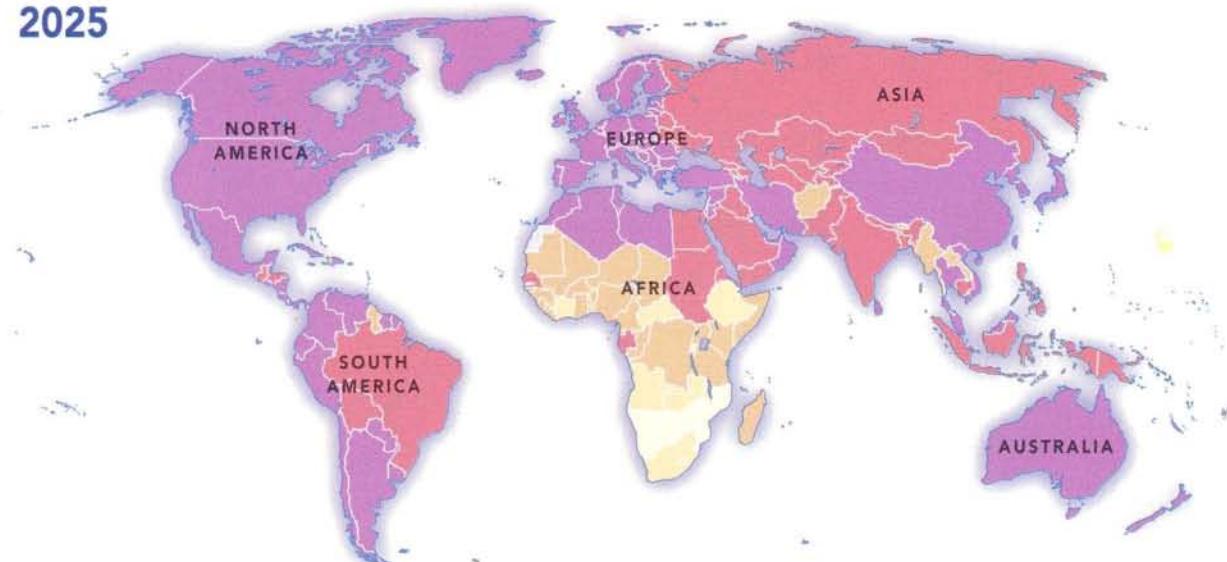
Highest Anticipated Life Expectancies, 2025

World Average 71

1 Andorra	84	11 Italy	82
2 Macau	83	12 Liechtenstein	82
3 Japan	83	13 Monaco	82
4 Singapore	83	14 Spain	82
5 Australia	82	15 Norway	82
6 Switzerland	82	16 Greece	82
7 Canada	82	17 Israel	82
8 Sweden	82	18 Netherlands	82
9 Iceland	82		
10 France	82	30 United States	81

Source: U.S. Census Bureau

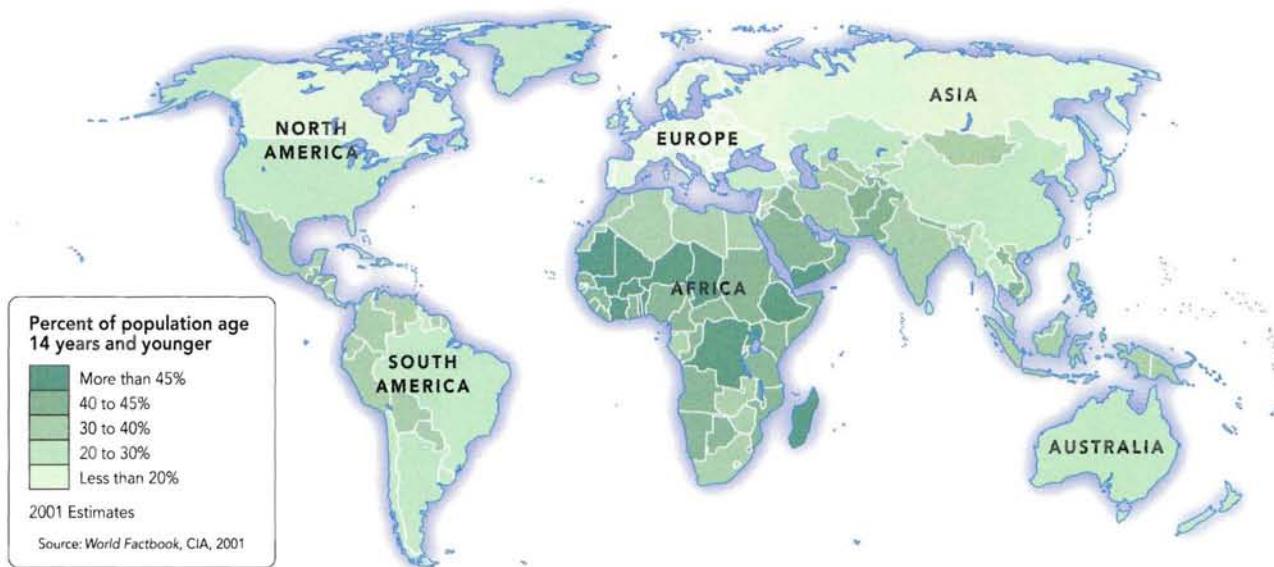
2025



Youthful Population

A country with a youthful population often reflects a high birthrate and a short life expectancy. The youthful component of a country's population should be the healthiest and the most energetic. In countries where there is a good system of education, the standards of living can only benefit from a large, educated youthful population. Furthermore, large numbers of young workers offer a means for providing

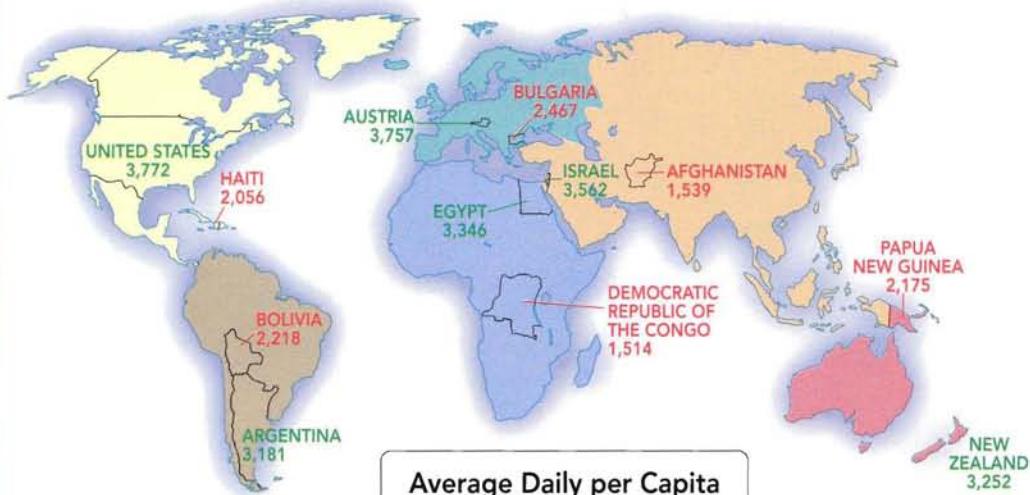
financial and social support for the older members of the population. Unfortunately, a country's economic and physical resources may not be able to absorb a ballooning youthful population. A lack of opportunity in rural regions encourages migration to over-crowded cities where, in turn, a lack of jobs or space in schools leads to swelling numbers of unemployed.



Food and Nutrition

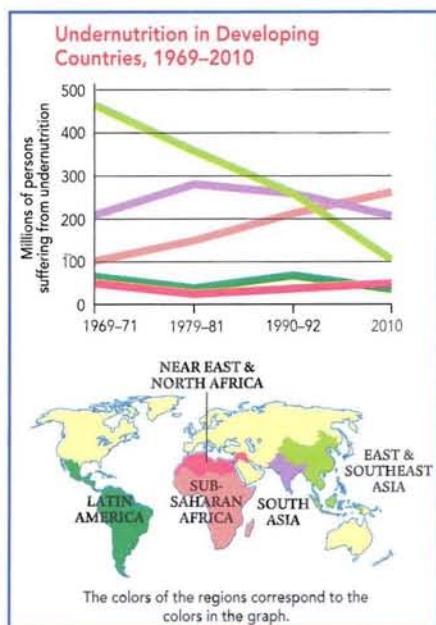
There has been a general trend towards better nutrition, but sub-Saharan Africa remains a problem area: increasing numbers of people will be suffering from undernutrition.

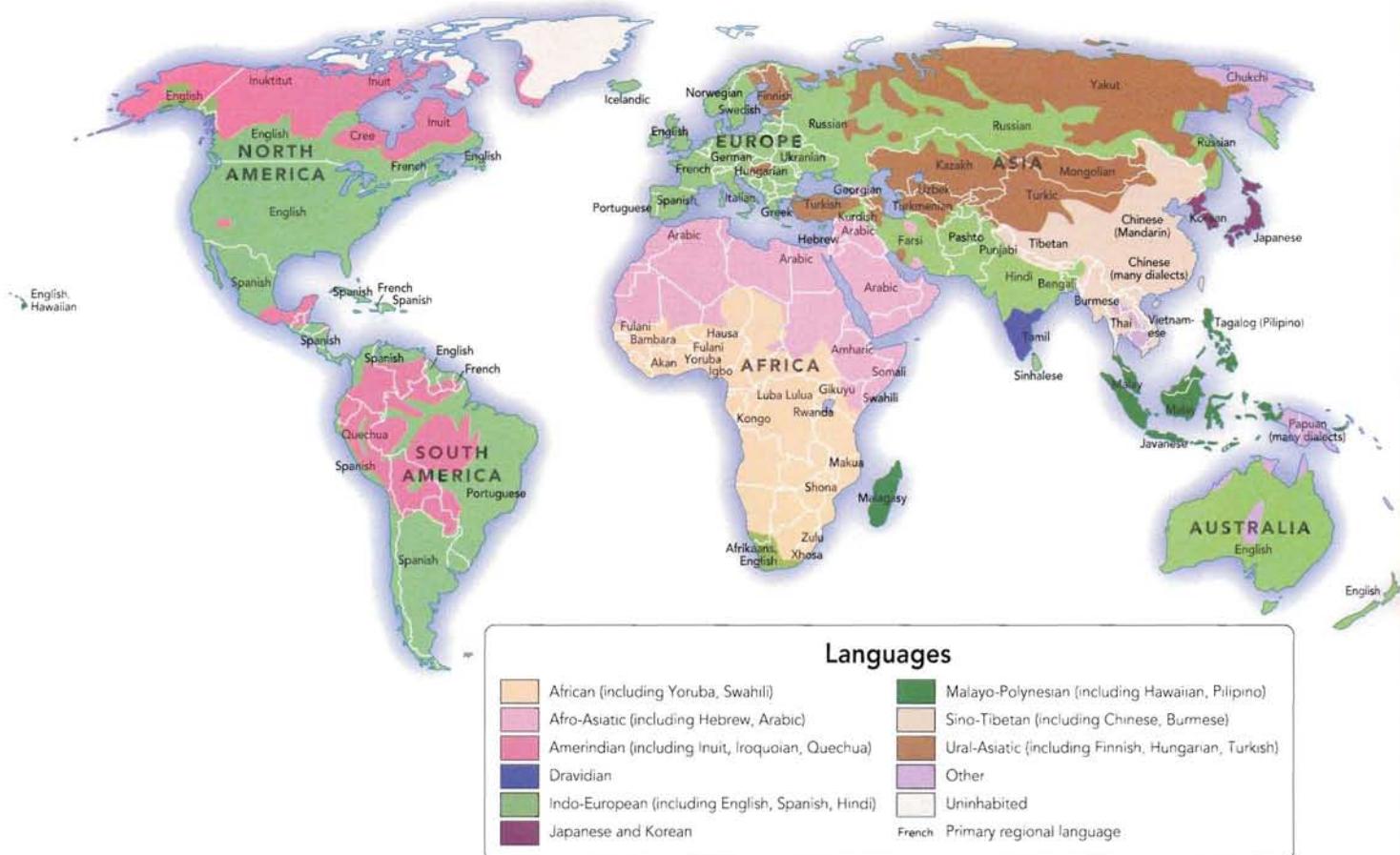
On a worldwide basis, the food supply seems adequate. Unfortunately the availability of food and the distribution of people don't always match up.



Within each continent, the countries with the highest per capita calorie supply are labeled in green, while the countries with the lowest per capita calorie supply are labeled in red.

Source: UN Food and Agriculture Organization



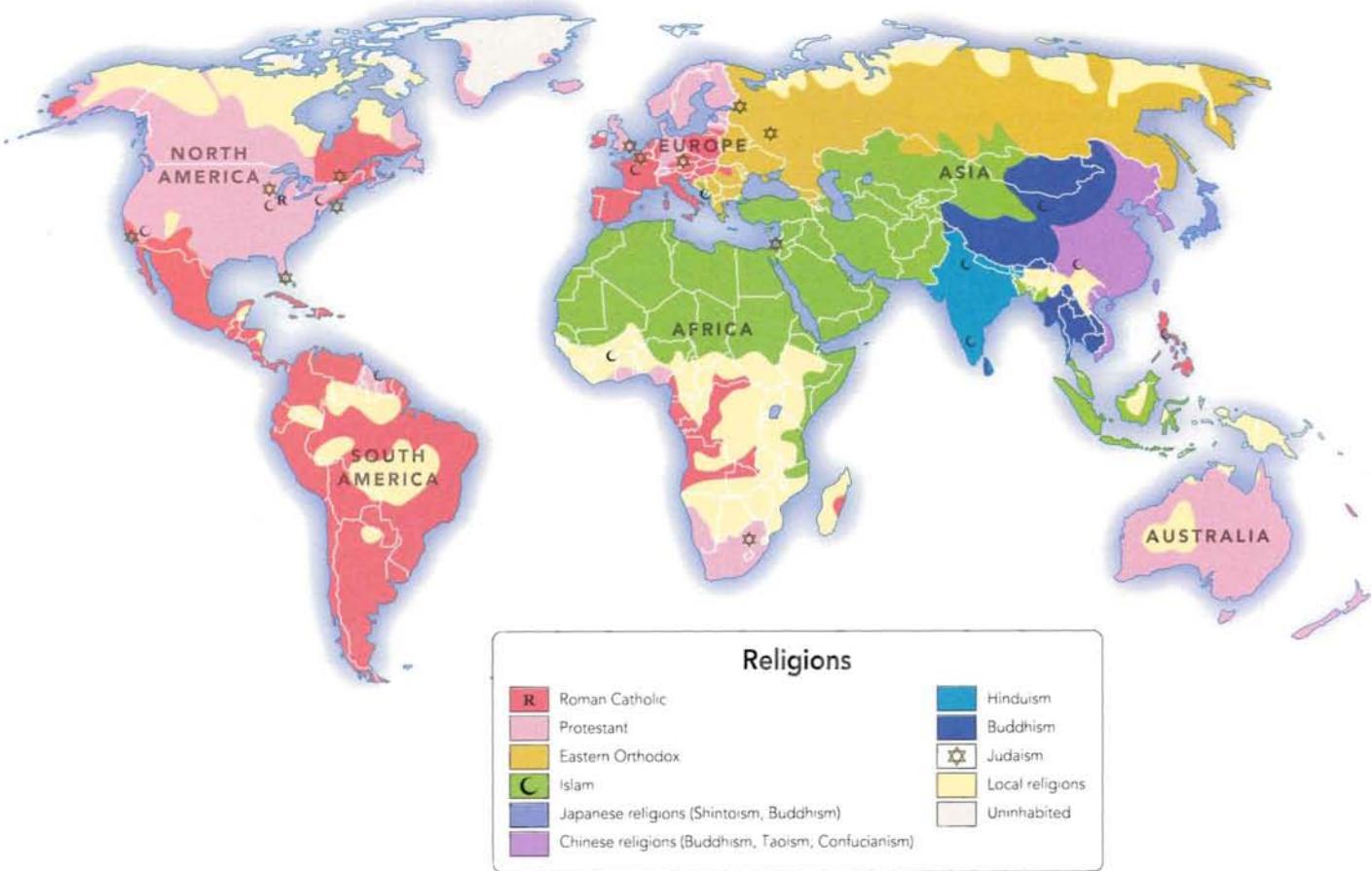
**Literacy**

2001 Estimates

97 to 100%
81 to 96%
61 to 80%
30 to 60%
Less than 30%
No current data available

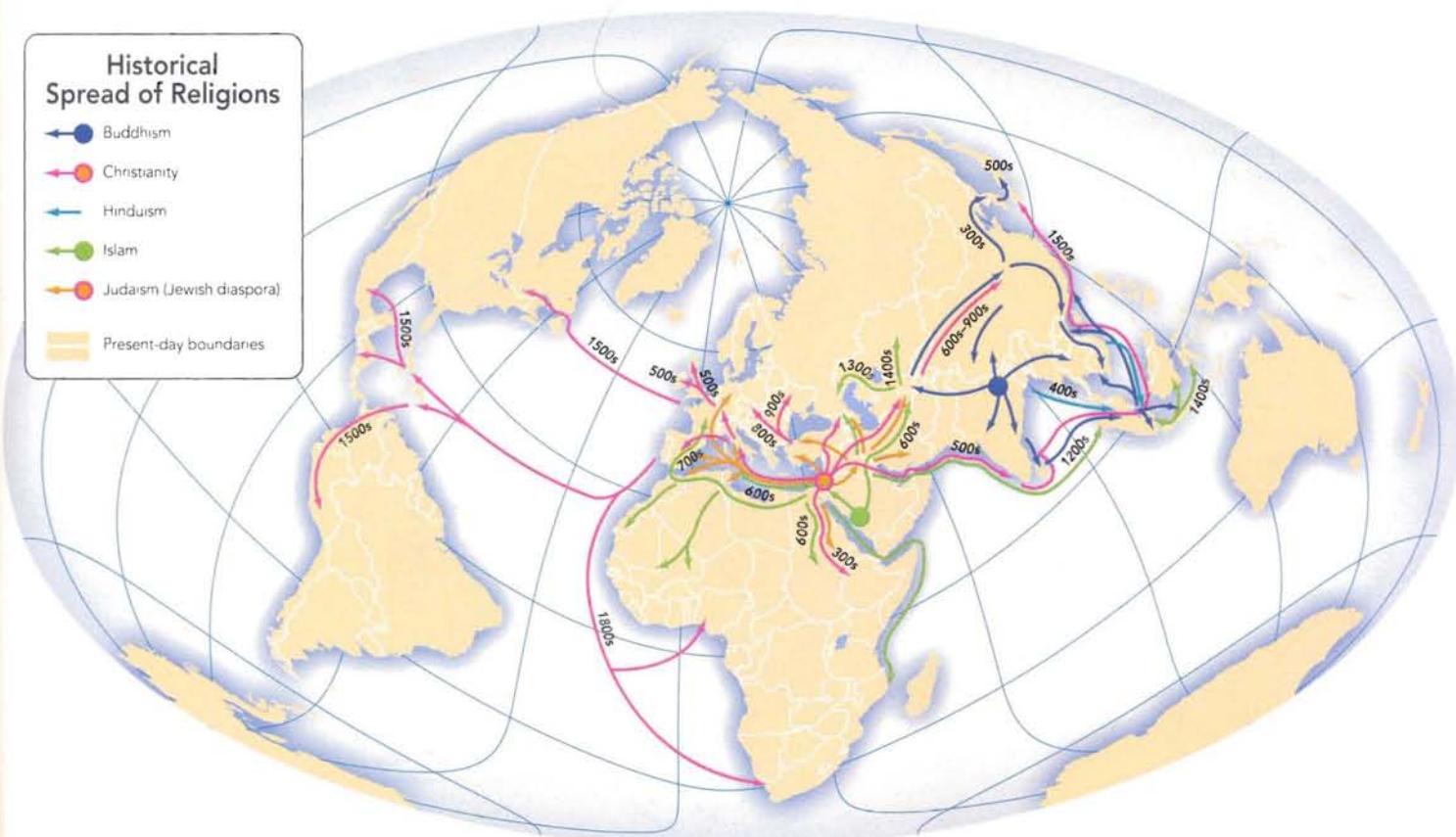
World literacy rates are based on the percentage of the population who can read their native language. The data varies between the years of 1989 to 2000.

Source: World Factbook, CIA, 2001



Historical Spread of Religions

- Buddhism
- Christianity
- ← Hinduism
- Islam
- Judaism (Jewish diaspora)
- Present-day boundaries

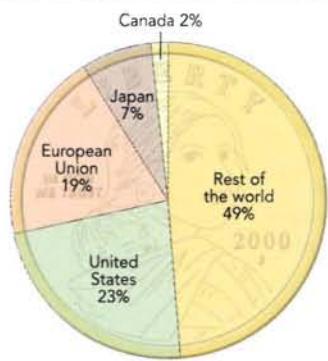


Land Use

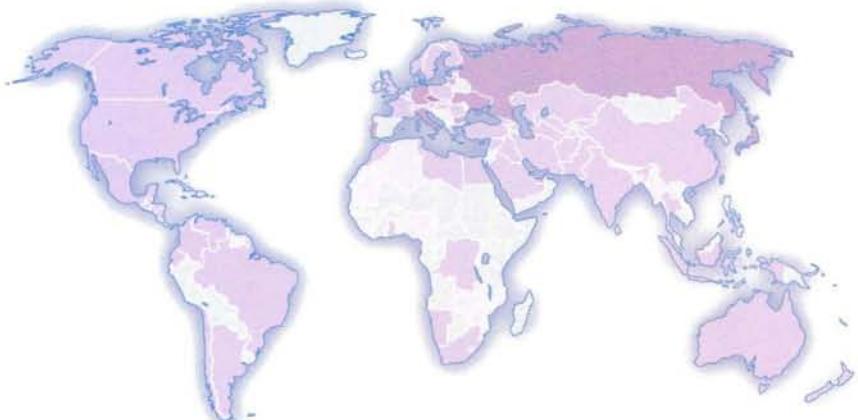
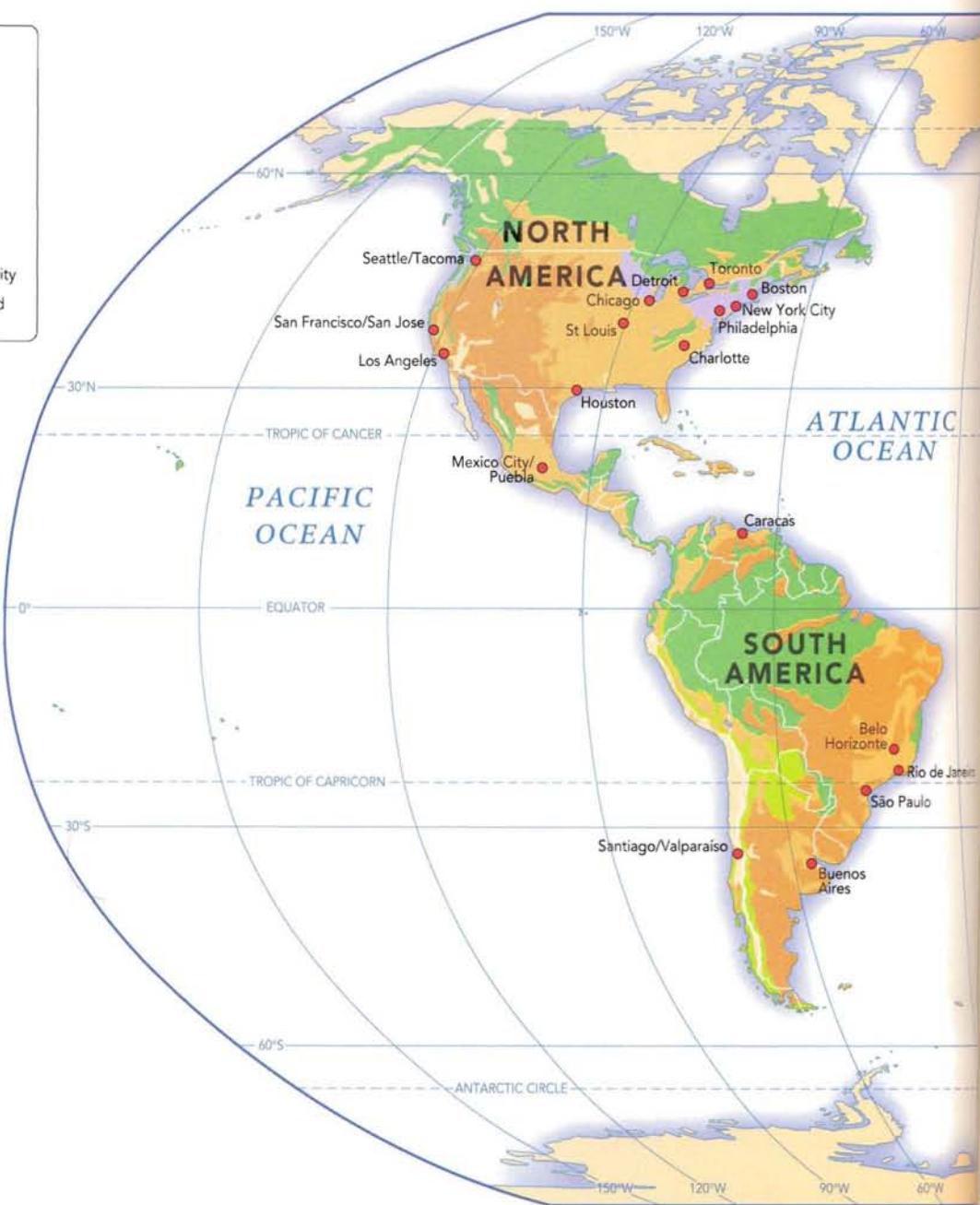
- Commercial agriculture
- Dairying
- Livestock ranching
- Nomadic herding
- Subsistence agriculture
- Primarily forestland
- Limited agricultural activity
- Major manufacturing and trade centers

**Shares of the World's GDP
2001**

Source: World Factbook, CIA, 2001



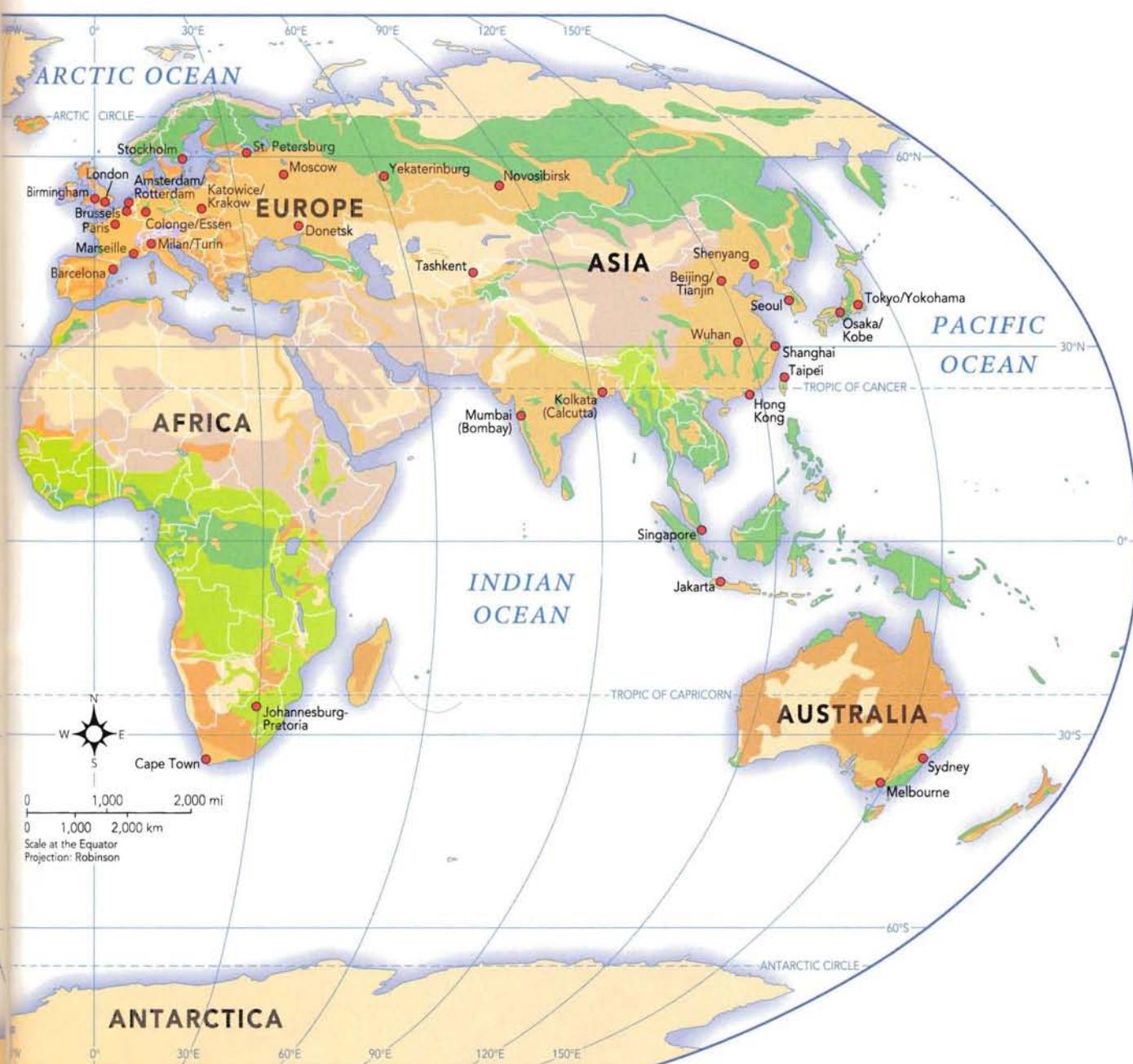
The Gross Domestic Product (GDP) is the value of goods and services produced by a political entity in any given period. These values help indicate how well the economy is doing.

**Industrial Employment**

- More than 40%
- 30 to 40%
- 15 to 29.9%
- Less than 15%
- No current data available

Percentage of total labor force employed in industry.

Source: World Factbook, CIA, 2001



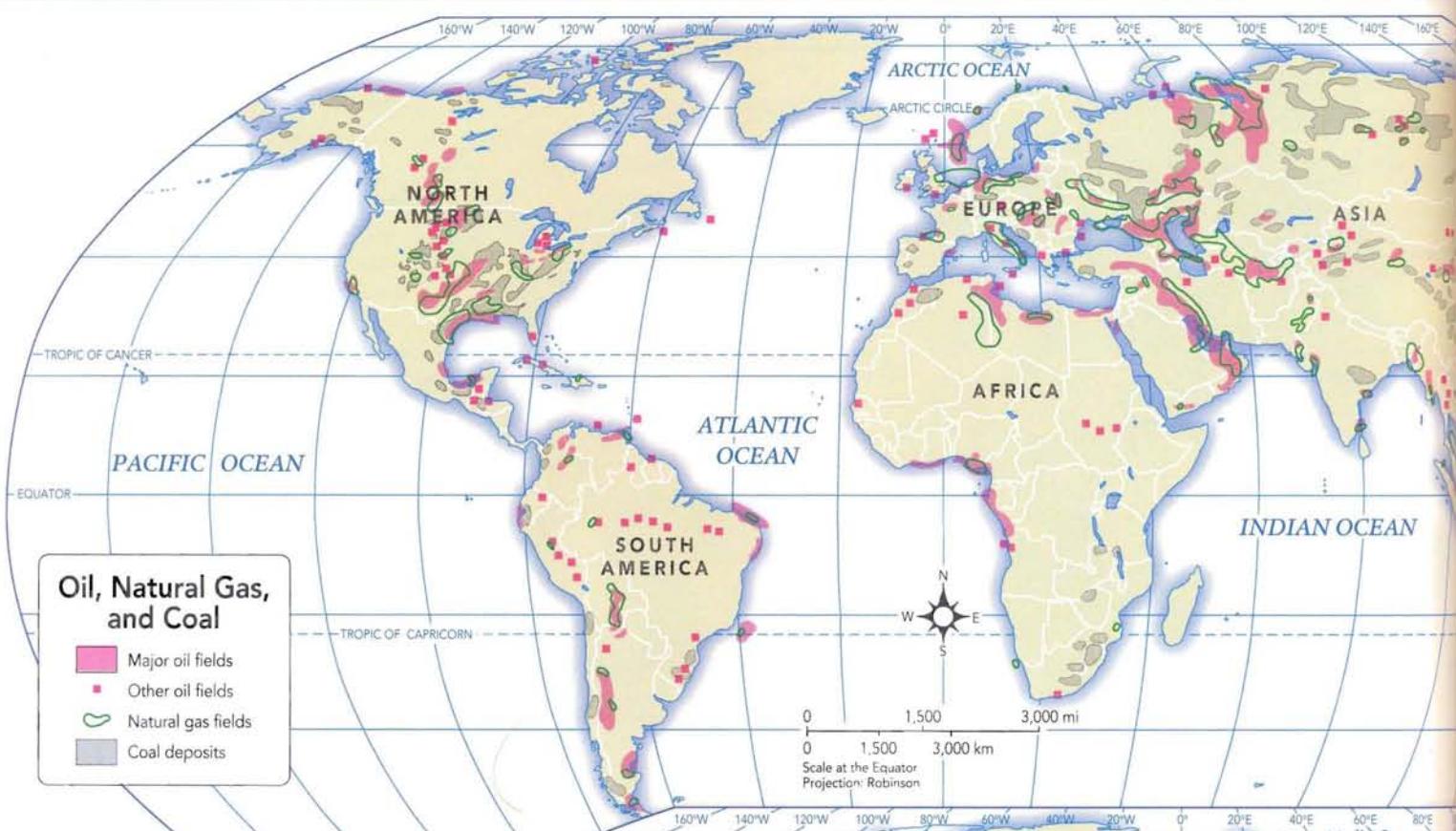
Agricultural Employment

- More than 80%
- 60 to 80%
- 30 to 59.9%
- 10 to 29.9%
- Less than 10%
- No current data available

Percent of total labor force employed in agriculture.

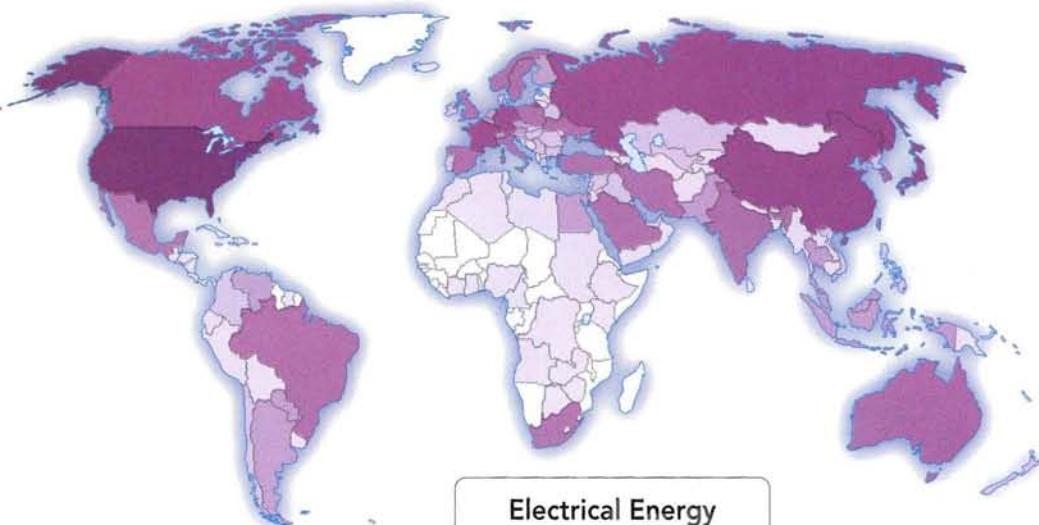
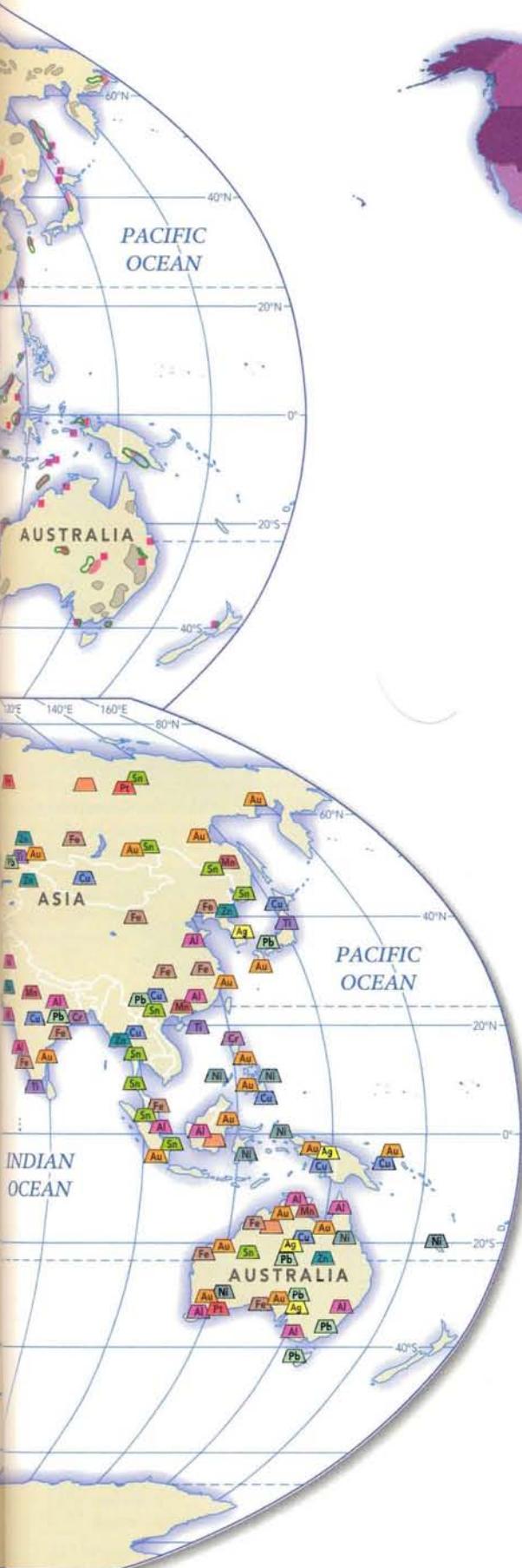
Source: World Factbook, CIA, 2001



**Major Minerals**

- Bauxite
- Chromium
- Copper
- Diamonds
- Gold
- Iron
- Lead
- Manganese
- Nickel
- Platinum
- Silver
- Tin
- Titanium
- Zinc



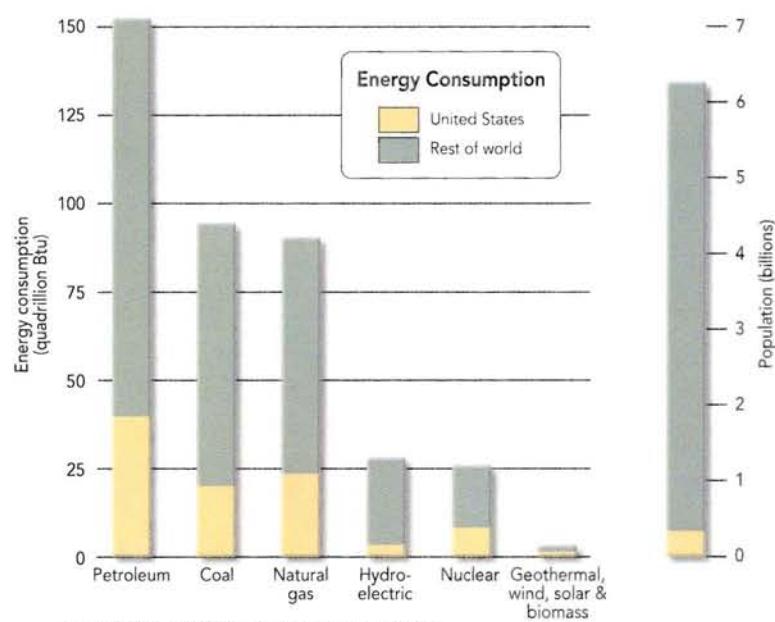


Electrical Energy Production

Billions of kilowatt hours, 1999

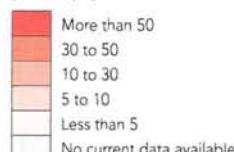
3,705 (United States)
500 to 1,175
100 to 499
50 to 49
20 to 49
Less than 20
No current data available

Source: U.S. Department of Energy,
International Energy Annual, 2000



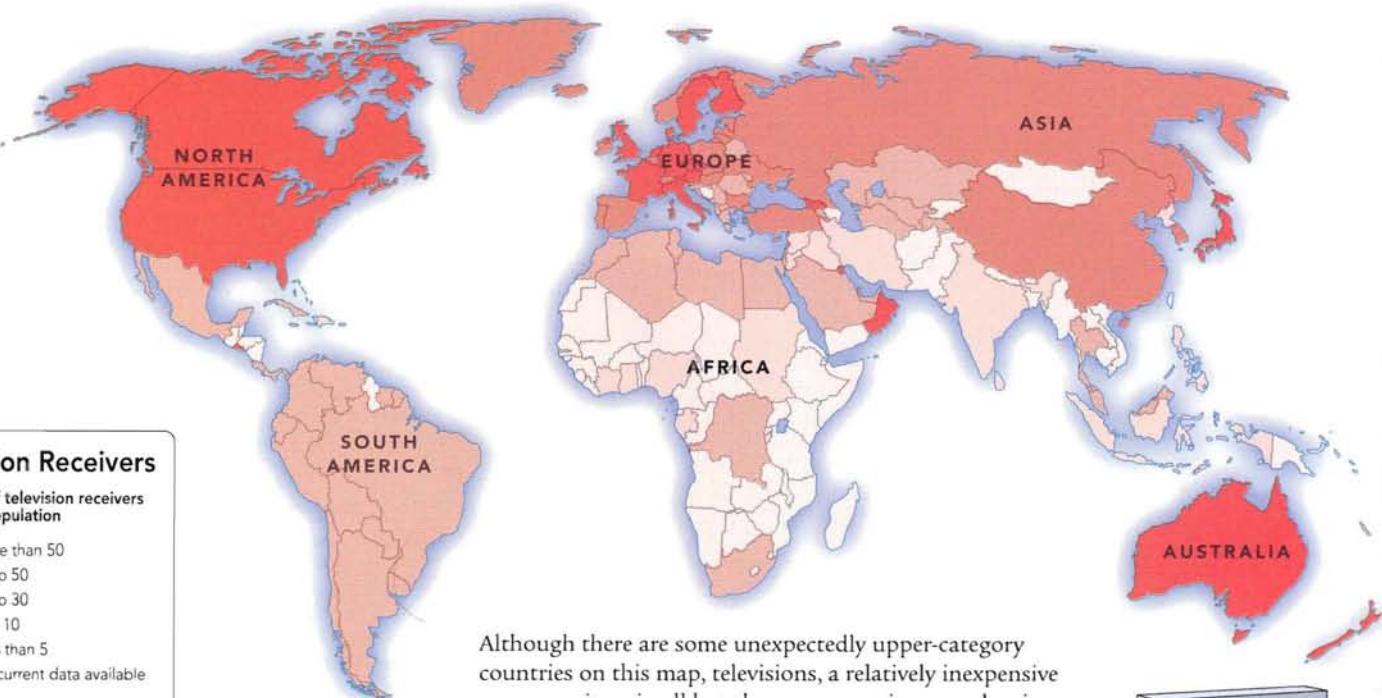
Source: U.S. Department of Energy, International Energy Annual, 2000

Despite having only about 4.6% of the world's population, the United States consumes a disproportionate amount of the world's energy.

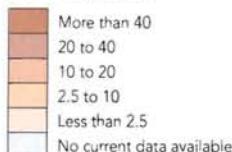
Television ReceiversNumber of television receivers
per 100 population

1997 Estimates

Source: UNESCO Institute for Statistics

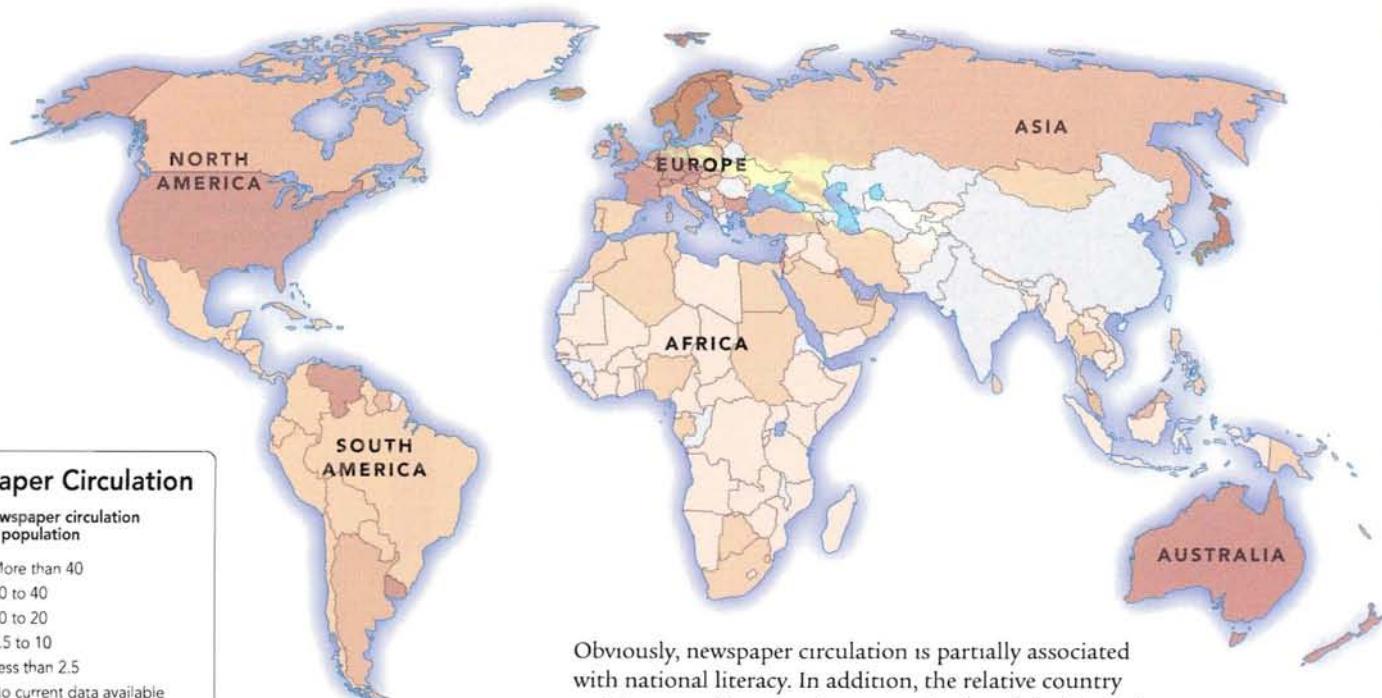


Although there are some unexpectedly upper-category countries on this map, televisions, a relatively inexpensive consumer item in all but the poorest nations, predominate where broadcast and cable technology is modern and available and where popular culture has made television the primary medium of marketing, news, and entertainment.

**Newspaper Circulation**Daily newspaper circulation
per 100 population

1996 Estimates

Source: UNESCO Institute for Statistics



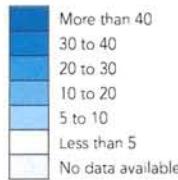
Obviously, newspaper circulation is partially associated with national literacy. In addition, the relative country rankings may illustrate the range of cultural vitality and the freedom—or lack of—in the ability to express and share ideas, opinions, and critical commentary.

Information

Transportation

Personal Computers

Personal computers per 100 population



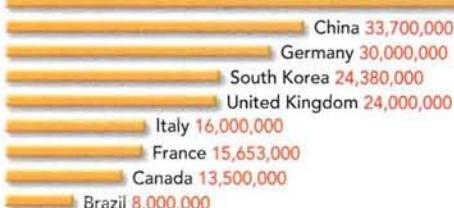
2001 Estimates

Source: Int'l Telecommunication Union

Internet Users, 2001

Japan 57,900,000

U.S. 142,823,000

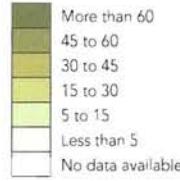


Source: International Telecommunication Union



Cellular Communications

Cellular telephone subscribers per 100 population



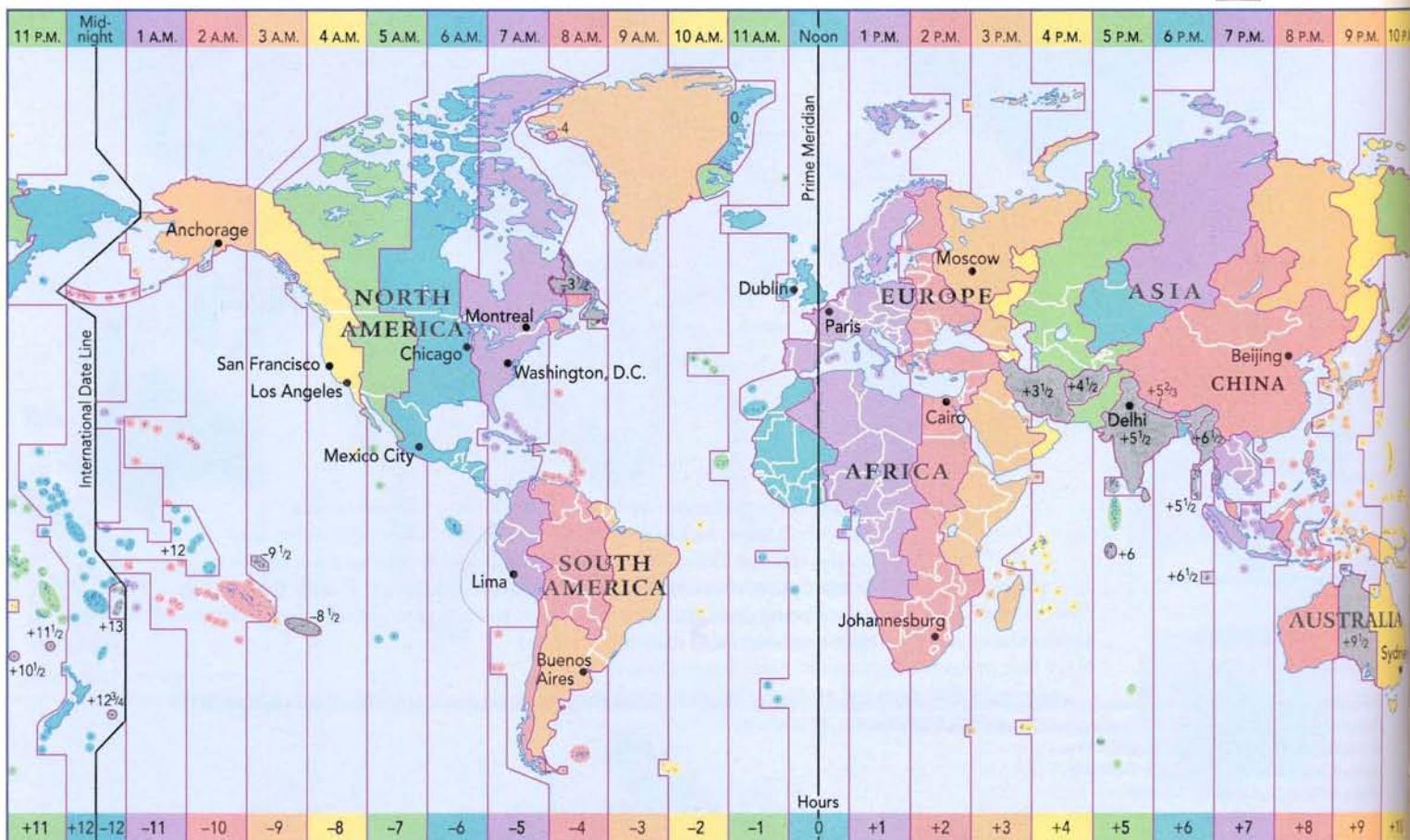
2001 Estimates

Source: Int'l Telecommunication Union

Cellular telephones may be affordable and viable alternatives where telephone landlines are nonexistent, technologically backwards, expensive, or overloaded. Conversely, where landlines are modern and proficient, the demand for cellular telephones may be less than expected.

Time Zones

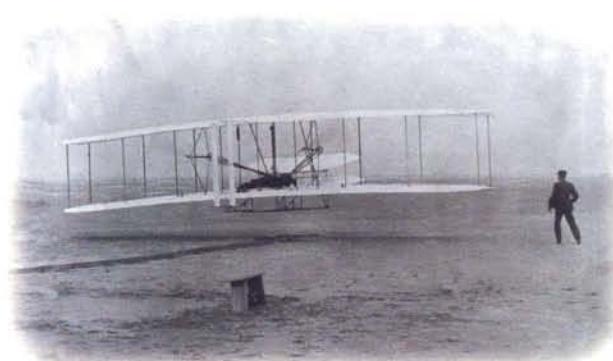
Non-standard times



The World is divided into 24 time zones, beginning at the Prime Meridian, which runs through Greenwich, England. The twelve zones east and twelve zones west of the Prime Meridian meet halfway around the globe at the International Date Line.

Traveling in an easterly direction, the time of day moves ahead one hour for each zone crossed. Traveling west, time falls behind one hour per zone. At the International Date Line a traveler gains one day crossing it in an easterly direction, and loses one day traveling west.

Note that the times shown are "standard time." Adjustments are necessary when "daylight saving time" is used.



Average Speeds of Some Passenger Transportation

Walking 3-4 mph/5-6 kph

Bicycle 10 mph/16 kph

Ocean liner, Queen Elizabeth II 33 mph/53 kph

Intercity bus, Greyhound; U.S. 54 mph/87 kph

Air cushion vehicle, United Kingdom 69 mph/111 kph

Electric train, Amtrak Acela Express; Eastern U.S. 150 mph/241 kph (top speed)

High-speed train, Shinkansen (Bullet Train); Japan 164 mph/263 kph (average speed between stations)

Jet airliner, Boeing 737 500 mph/805 kph

Ocean Travel, New York City to London

- 1854, Clipper ship 14 days 
- 1883, Steamship 6 days 
- 2000, Ocean liner, Queen Elizabeth II, 5 days 



Air Travel, New York City to Paris

- 1927, Spirit of St. Louis, single-engine propeller plane 33 hours 30 minutes 
- 1958, Boeing 707, four-engine jet 8 hours 41 minutes 
- 1977, Concorde SST, supersonic jet 3 hours 44 minutes 

Famous Airplane Flights

1903

Orville and Wilbur Wright made the first engine-powered flight in a heavier-than-air craft at Kitty Hawk, NC. The flight lasted less than 12 seconds.

1908

Glenn Curtiss made the first official flight of more than 1 kilometer (0.62 miles).

1926

Floyd Bennett (pilot) and Richard E. Byrd (navigator) claimed to have circled the North Pole.

1927

Charles A. Lindbergh made the first solo, nonstop, transatlantic flight. He flew from Garden City, NY to Paris in 33 hours 30 minutes.

1929

Richard E. Byrd established an Antarctic base at Little America. On November 28 and 29, Byrd and his pilot, Bernt Balchen, left the base and flew to the South Pole.

1932

Amelia Earhart was the first woman to fly across the Atlantic Ocean. She flew from Harbour Grace, Newfoundland to Northern Ireland, a distance of 2,026 miles (3,260 kilometers) in 15 hours 18 minutes.

1933

Wiley Post made the first solo, round-the-world flight. He flew from Floyd Bennett Field in Brooklyn, NY and covered 15,596 miles (25,099 kilometers) in 7 days 18 hours 49 minutes.

1949

An Air Force crew made the first nonstop, round-the-world flight. Using a B-50A bomber, they traveled 23,452 miles (37,742 kilometers) in 3 days 22 hours 1 minute.

1992

French pilots flew the supersonic Concorde around the world, east-to-west, in a record setting 32 hours 49 minutes 3 seconds.

Passengers at Major Airports 2001

-  More than 40 million
-  30 to 40 million
-  20 to 30 million

Source: Airports Council International

Note: Only the eight busiest U.S. airports are shown.



see Europe inset below



North America

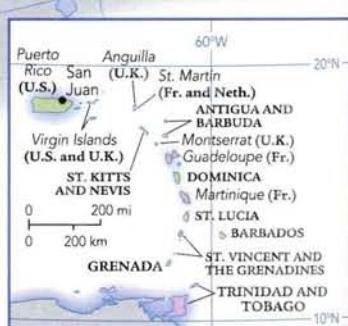


Facts

- Area: 9,361,791 square miles
(24,247,038 square kilometers)
 - Highest Point: Mt. McKinley, United States,
20,320 ft. (6,194 m)
 - Lowest Point: Death Valley, United States,
282 ft. (86 m) below sea level
 - Longest River: Mississippi-Missouri-Red Rock,
3,710 mi. (5,971 km)
 - Largest Lake: Lake Superior, United States/
Canada, 31,700 sq. mi. (82,103 sq. km)
 - Largest Country: Canada, 3,851,809 sq. mi.
(9,976,140 sq. km)
 - Largest City: New York City, United States,
21,200,000 (metropolitan population)

Nations of the Lesser Antilles

Country	Capital	Country	Capital
Antigua and Barbuda	St. John's	St. Vincent and the Grenadines	Kingstown
St. Kitts and Nevis	Basseterre	Grenada	St. George's
Dominica	Roseau	Trinidad and Tobago	Port-of-Spain
St. Lucia	Castries		
Barbados	Bridgetown		





Major Metropolitan Areas**Antigua & Barbuda**

St. John's 22,000

Bahamas

Nassau 211,000

Barbados

Bridgetown 6,000

Belize

Belize City 49,000

Belmopan 8,000

Canada

Toronto 5,030,000

Montréal 3,549,000

Vancouver 2,123,000

Ottawa 1,129,000

Calgary 993,000

Edmonton 967,000

Québec 698,000

Hamilton 687,000

Winnipeg 686,000

Costa Rica

San José 1,305,000

Cuba

Havana 2,192,000

Dominica

Roseau 16,000

Dominican Republic

Santo Domingo 2,677,000

El Salvador

San Salvador 1,909,000

Grenada

St. George's 5,000

Guatemala

Guatemala City 1,007,000

Haiti

Port-au-Prince 991,000

Honduras

Tegucigalpa 835,000

Jamaica

Kingston 578,000

Mexico

Mexico City 16,203,000

Guadalajara 3,349,000

Monterrey 3,131,000

Puebla 1,272,000

Ciudad Juárez 1,187,000

Tijuana 1,149,000

León 1,021,000

Nicaragua

Managua 1,148,000

Panama

Panama City 1,002,000

Puerto Rico

San Juan 2,450,000

St. Kitts & Nevis

Basseterre 13,000

St. Lucia

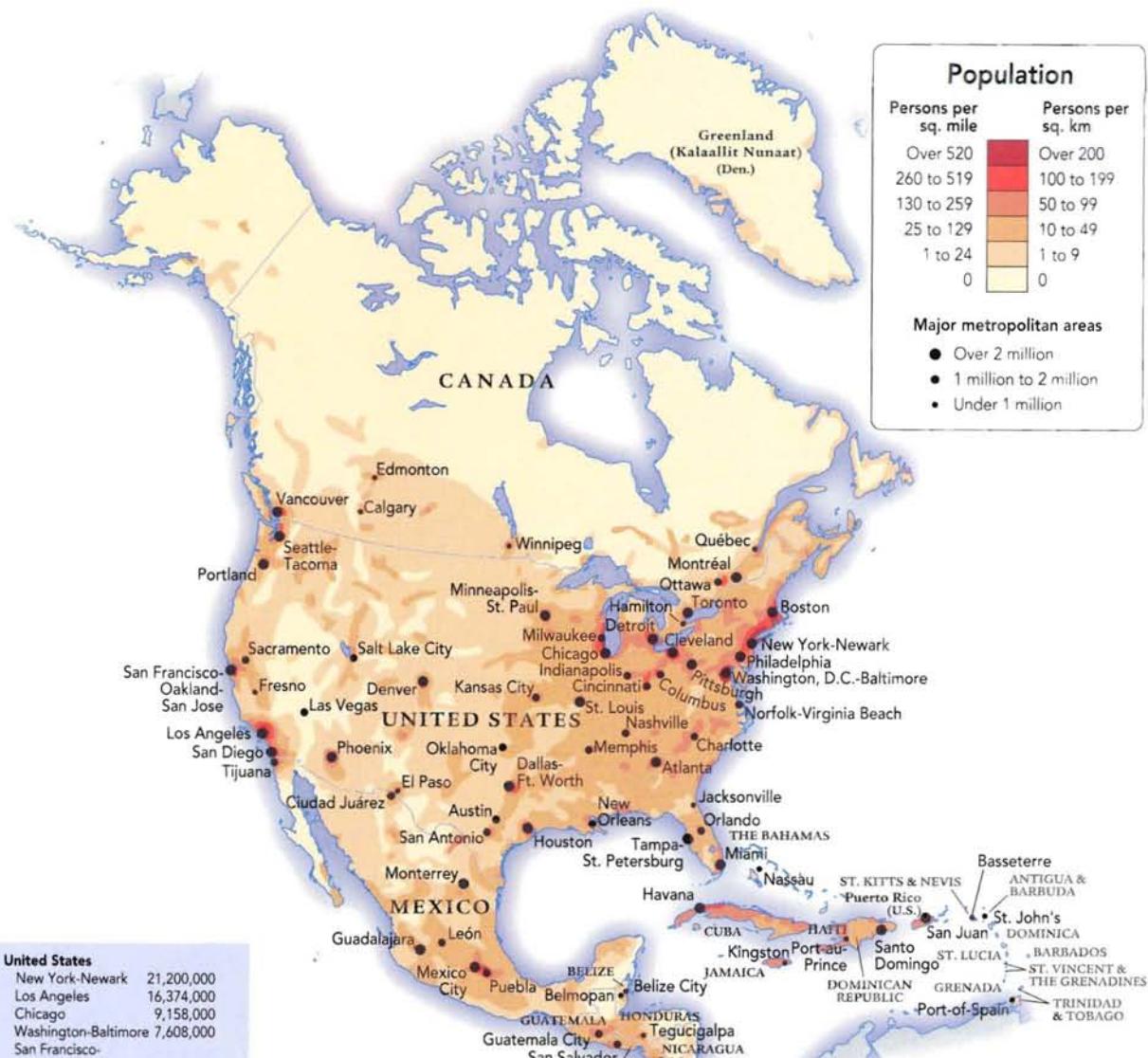
Castries 11,000

St. Vincent & Grenadines

Kingstown 15,000

Trinidad & Tobago

Port of Spain 48,000



International comparability of population data is limited by varying census methods. Where metropolitan population is unavailable, core city population is shown.

Estimated 2002 Population (in millions)



Source: U.S. Census Bureau

Electricity Use

Canada 15,748

United States 12,407

Virgin Islands 7,762

Jamaica 2,278

Mexico 1,676

El Salvador 583

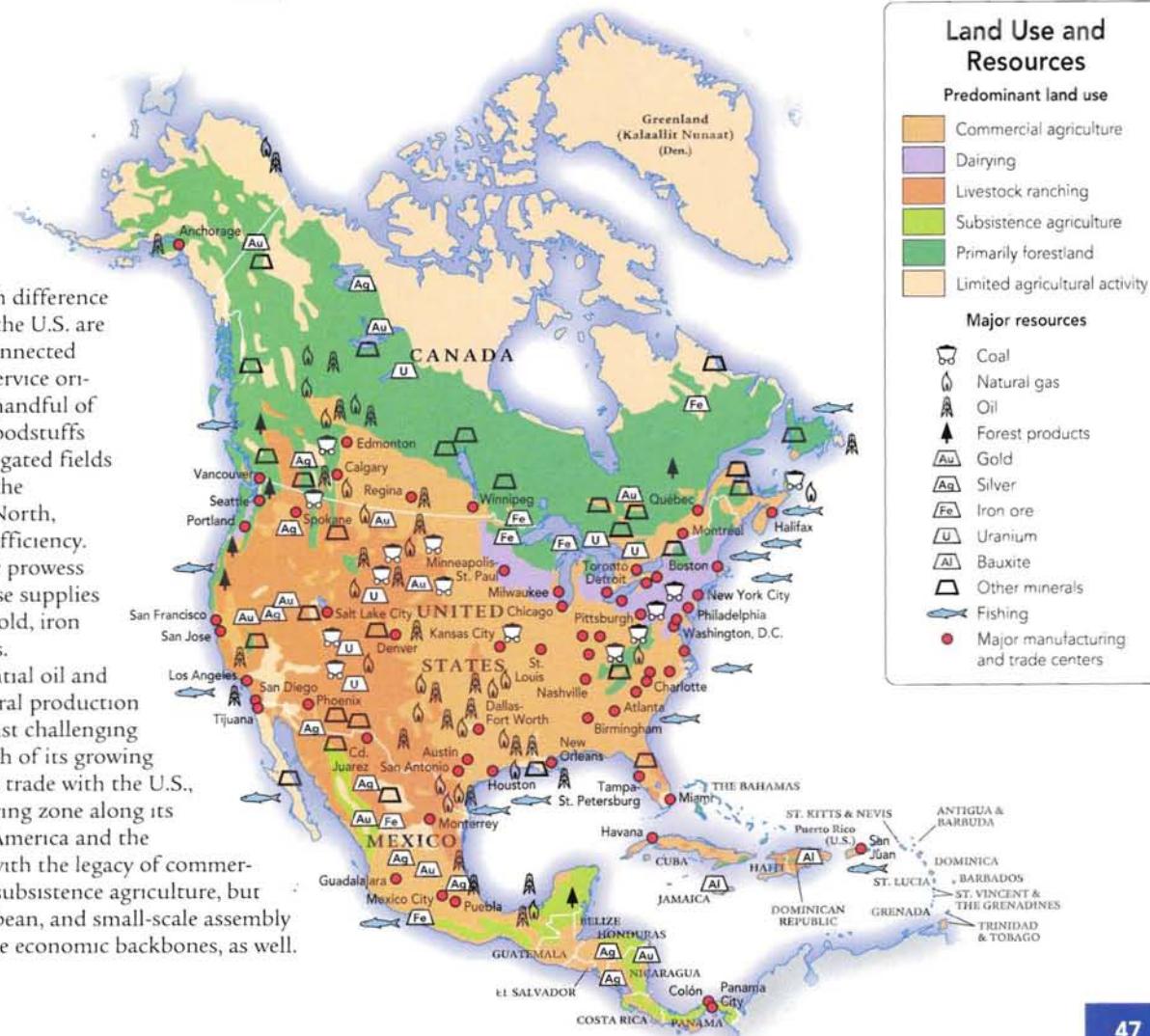
KWh (kilowatt hours) per person per year

Source: World Factbook, CIA, 2001



Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs.

Mexico profits from oil production and a major manufacturing zone adjacent to the U.S. border, while Costa Rica has become a significant tourist destination. Haiti is the poorest country in the Western Hemisphere.



There is a profound north-south difference in North America. Canada and the U.S. are models of high-tech, globally connected economies—largely urban and service oriented societies where a relative handful of farmers produces a surplus of foodstuffs and every land use, from the irrigated fields of the West to the dairy belt of the Northeast to the forests of the North, seems to be molded by market efficiency. Without a doubt, this economic prowess has been encouraged by immense supplies of coal, oil, natural gas, wood, gold, iron ore, and other mineral resources.

Although Mexico has substantial oil and mineral resources and agricultural production that successfully struggles against challenging environmental limitations, much of its growing prosperity is linked to increased trade with the U.S., reflected in a major manufacturing zone along its northern borderlands. Central America and the Caribbean continue to wrestle with the legacy of commercial plantation agriculture and subsistence agriculture, but tourism, especially in the Caribbean, and small-scale assembly and manufacturing have become economic backbones, as well.



Surrounded and enveloped by warm water, the countries of southern North America are warm and wet. The Eastern U.S. and most of Canada are striped by climate zones offering adequate precipitation and progressively lower temperatures as one travels north, but the pattern goes topsy-turvy in the West, where swirling arid and semiarid zones abut coastal regions influenced by both rain-bearing winds and cool ocean currents.

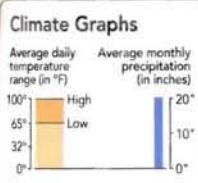
See photographs taken in different kinds of climates on pages 24–25.



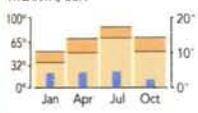
Annual Precipitation

Centimeters	Inches
Over 203	Over 80
152 to 203	60 to 80
102 to 152	40 to 60
51 to 102	20 to 40
25 to 51	10 to 20
Under 25	Under 10

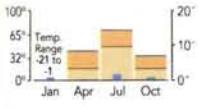
Just as moisture-rich trade winds sweep through the Caribbean to strike and soak Central America, prevailing westerly winds emerge from the North Pacific to collide with the coastal mountains of Canada and the U.S. Leached of rain and snow, the moving air remains dry until it once again approaches warm water—the Gulf of Mexico and the Gulf Stream enriched Atlantic Ocean.



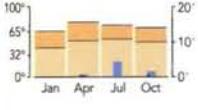
ATLANTA, USA



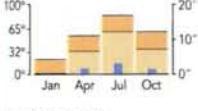
FAIRBANKS, USA



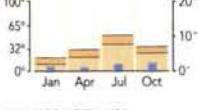
MEXICO CITY, Mexico



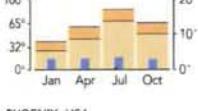
MINNEAPOLIS, USA



NUUK, Greenland



NEW YORK CITY, USA



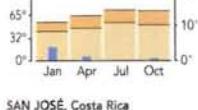
PHOENIX, USA



ST. JOHN'S, Canada



SAN FRANCISCO, USA



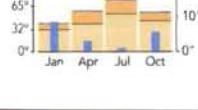
SAN JOSÉ, Costa Rica



SAN JUAN, Puerto Rico



VANCOUVER, Canada



Vegetation

Unclassified highlands or ice cap	Mixed forest
Tundra and alpine tundra	Midlatitude scrubland
Coniferous forest	Midlatitude grassland
Midlatitude deciduous forest	Desert
Subtropical broadleaf evergreen forest	Tropical seasonal and scrub
	Tropical rain forest

Deserts spanning the U.S./Mexico border join the tropical plant life of Central America and southern Mexico to the temperate and arctic vegetation of Canada and the U.S.—vegetation predominately forest land but split by the arc of the Great Plains and interwoven with scrublands able to endure infrequent rainfall.

See photographs of different the kinds of vegetation on page 26–27.

In the U.S. and Canada, heavy consumption of energy and other resources is a source of many environmental problems. Environmental laws and regulations have helped, but air pollutants and gases continue to cause health problems and may contribute to global warming.

In the western U.S. and parts of Mexico, large areas are susceptible to desertification from overgrazing and agriculture.

Deforestation is a major issue in Latin America and the Caribbean. In Haiti, for example, all the native rain forests have been destroyed, causing irreversible harm to ecosystems.

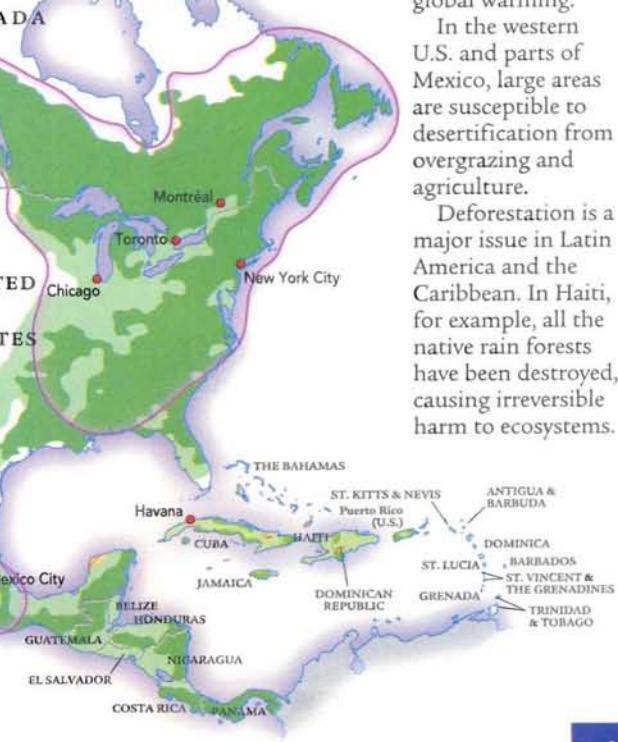


Environmental Issues

Current forest
Cleared forest
Area at highest risk of desertification
Areas most affected by acid rain
● Poor air quality*

*Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP-WCMC, 2002; World Soil Resources Map Index, USDA/NRCS, 2002; World Development Indicators, World Bank, 1999

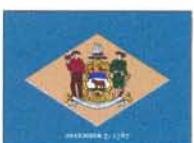




Colorado



Connecticut



Delaware



District of Columbia



Florida



Georgia



Illinois



Indiana



Kentucky



Louisiana



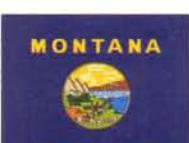
Massachusetts



Michigan



Missouri



Montana



New Hampshire



New Jersey



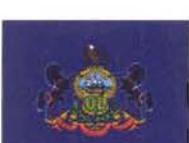
North Carolina



North Dakota



Oregon



Pennsylvania



Vermont



Virginia



Washington



West Virginia



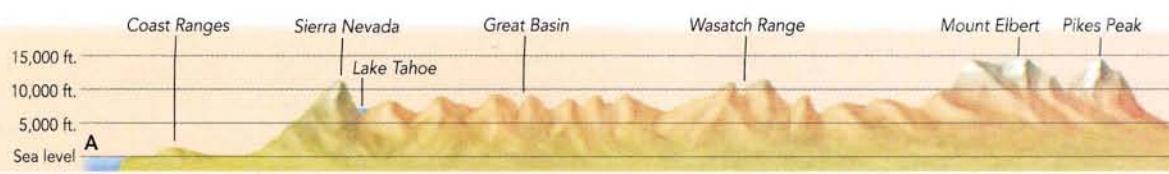
Wisconsin



Wyoming

State	2000 Population and Rank		Capital	Largest City	Abbreviation Traditional	Postal Service	Nickname
	Population	Rank					
Alabama	4,447,100	23rd	Montgomery	Birmingham	ALA.	AL	Heart of Dixie
Alaska	626,932	48th	Juneau	Anchorage	(none)	AK	The Last Frontier
Arizona	5,130,632	20th	Phoenix	Phoenix	ARIZ.	AZ	Grand Canyon State
Arkansas	2,673,400	33rd	Little Rock	Little Rock	ARK.	AR	Land of Opportunity
California	33,871,648	1st	Sacramento	Los Angeles	CALIF.	CA	Golden State
Colorado	4,301,261	24th	Denver	Denver	COLO.	CO	Centennial State
Connecticut	3,405,565	29th	Hartford	Bridgeport	CONN.	CT	Constitution State, Nutmeg State
Delaware	783,600	45th	Dover	Wilmington	DEL.	DE	First State, Diamond State
Florida	15,982,378	4th	Tallahassee	Jacksonville	FLA.	FL	Sunshine State
Georgia	8,186,453	10th	Atlanta	Atlanta	GA.	GA	Empire State of the South, Peach State
Hawaii	1,211,537	42nd	Honolulu	Honolulu	(none)	HI	Aloha State
Idaho	1,293,953	39th	Boise	Boise	IDA.	ID	Gem State
Illinois	12,419,293	5th	Springfield	Chicago	ILL.	IL	Prairie State
Indiana	6,080,485	14th	Indianapolis	Indianapolis	IND.	IN	Hoosier State
Iowa	2,926,324	30th	Des Moines	Des Moines	(none)	IA	Hawkeye State
Kansas	2,688,418	32nd	Topeka	Wichita	KANS.	KS	Sunflower State
Kentucky	4,041,769	25th	Frankfort	Louisville	KY. or KEN.	KY	Bluegrass State
Louisiana	4,468,976	22nd	Baton Rouge	New Orleans	LA.	LA	Pelican State
Maine	1,274,923	40th	Augusta	Portland	(none)	ME	Pine Tree State
Maryland	5,296,486	19th	Annapolis	Baltimore	MD.	MD	Old Line State, Free State
Massachusetts	6,349,097	13th	Boston	Boston	MASS.	MA	Bay State, Old Colony
Michigan	9,938,444	8th	Lansing	Detroit	MICH.	MI	Wolverine State
Minnesota	4,919,479	21st	St. Paul	Minneapolis	MINN.	MN	North Star State, Gopher State
Mississippi	2,844,658	31st	Jackson	Jackson	MISS.	MS	Magnolia State
Missouri	5,595,211	17th	Jefferson City	Kansas City	MO.	MO	Show Me State

State	2000 Population and Rank		Capital	Largest City	Abbreviation Traditional	Postal Service	Nickname
Montana	902,195	44th	Helena	Billings	MONT.	MT	Treasure State
Nebraska	1,711,265	38th	Lincoln	Omaha	NEBR.	NE	Cornhusker State
Nevada	1,998,257	35th	Carson City	Las Vegas	NEV.	NV	Silver State
New Hampshire	1,235,786	41st	Concord	Manchester	N.H.	NH	Granite State
New Jersey	8,414,350	9th	Trenton	Newark	N.J.	NJ	Garden State
New Mexico	1,819,046	36th	Santa Fe	Albuquerque	N. MEX. or N.M.	NM	Land of Enchantment
New York	18,976,457	3rd	Albany	New York	N.Y.	NY	Empire State
North Carolina	8,049,313	11th	Raleigh	Charlotte	N.C.	NC	Tar Heel State
North Dakota	642,200	47th	Bismarck	Fargo	N. DAK. or N.D.	ND	Peace Garden State, Flickertail State
Ohio	11,353,140	7th	Columbus	Columbus	(none)	OH	Buckeye State
Oklahoma	3,450,654	27th	Oklahoma City	Oklahoma City	OKLA.	OK	Sooner State
Oregon	3,421,399	28th	Salem	Portland	ORE.	OR	Beaver State
Pennsylvania	12,281,054	6th	Harrisburg	Philadelphia	PA. or PENN.	PA	Keystone State
Rhode Island	1,048,319	43rd	Providence	Providence	R.I.	RI	Ocean State
South Carolina	4,012,012	26th	Columbia	Columbia	S.C.	SC	Palmetto State
South Dakota	754,844	46th	Pierre	Sioux Falls	S. DAK. or S.D.	SD	Mt. Rushmore State
Tennessee	5,689,283	16th	Nashville	Memphis	TENN.	TN	Volunteer State
Texas	20,851,820	2nd	Austin	Houston	TEX.	TX	Lone Star State
Utah	2,233,169	34th	Salt Lake City	Salt Lake City	(none)	UT	Beehive State
Vermont	608,827	49th	Montpelier	Burlington	VT.	VT	Green Mountain State
Virginia	7,078,515	12th	Richmond	Virginia Beach	VA.	VA	Old Dominion
Washington	5,894,121	15th	Olympia	Seattle	WASH.	WA	Evergreen State
West Virginia	1,808,344	37th	Charleston	Charleston	W. VA.	WV	Mountain State
Wisconsin	5,363,675	18th	Madison	Milwaukee	WIS.	WI	Badger State
Wyoming	493,782	50th	Cheyenne	Cheyenne	WYO.	WY	Equality State





Great Plains



Mississippi River

Central Lowland

Appalachian Mountains

Chesapeake Bay
Delaware Bay

B

North America	The United States	Canada	Mexico	South America	Europe			
State	Land Area and Rank	Highest Point		Temperature °F Highest Recorded	Lowest Recorded	Annual Precipitation Highest Recorded	Lowest Recorded	
Alabama	50,750 sq mi 131,443 sq km	28th	Cheaha Mtn.	2,405 ft 777 m	112°	-27°	106.57"	22.00"
Alaska	570,374 sq mi 1,477,268 sq km	1st	Mt. McKinley	20,320 ft 6,194 m	100°	-80°	332.29"	1.61"
Arizona	113,642 sq mi 294,334 sq km	6th	Humphreys Peak	12,633 ft 3,851 m	128°	-40°	58.92"	0.07"
Arkansas	52,075 sq mi 134,875 sq km	27th	Magazine Mtn.	2,753 ft 839 m	120°	-29°	98.55"	19.11"
California	155,973 sq mi 403,970 sq km	3rd	Mt. Whitney	14,494 ft 4,418 m	134°	-45°	153.54"	0.00"
Colorado	103,730 sq mi 268,660 sq km	8th	Mt. Elbert	14,433 ft 4,399 m	118°	-61°	92.84"	1.69"
Connecticut	4,845 sq mi 12,550 sq km	48th	south slope of Mt. Frissell	2,380 ft 725 m	105°	-32°	78.53"	23.60"
Delaware	1,955 sq mi 5,063 sq km	49th	Ebright Road at DE-PA border	448 ft 137 m	110°	-17°	72.75"	21.38"
Florida	53,997 sq mi 139,852 sq km	26th	Sec. 30, T.6N, R.20W in Walton Co.	345 ft 105 m	109°	-2°	112.43"	21.16"
Georgia	57,919 sq mi 150,010 sq km	21st	Brasstown Bald	4,784 ft 1,458 m	112°	-17°	112.16"	17.14"
Hawaii	6,423 sq mi 16,637 sq km	47th	Pu'u Wekiu, Mauna Kea	13,796 ft 4,205 m	100°	12°	704.83"	0.19"
Idaho	82,751 sq mi 214,325 sq km	11th	Borah Peak	12,662 ft 3,859 m	118°	-60°	81.05"	2.09"
Illinois	55,593 sq mi 143,987 sq km	24th	Charles Mound	1,235 ft 376 m	117°	-35°	74.58"	16.59"
Indiana	35,870 sq mi 92,904 sq km	38th	Franklin Township in Wayne County	1,257 ft 383 m	116°	-35°	97.38"	18.67"
Iowa	55,875 sq mi 144,716 sq km	23rd	Sec. 29, T.100N, R.41W in Osceola Co.	1,670 ft 509 m	118°	-47°	74.50"	12.11"
Kansas	81,823 sq mi 211,922 sq km	13th	Mt. Sunflower	4,039 ft 1,231 m	121°	-40°	67.02"	4.77"
Kentucky	39,732 sq mi 102,907 sq km	36th	Black Mtn.	4,139 ft 1,262 m	114°	-34°	79.68"	14.51"
Louisiana	43,566 sq mi 112,836 sq km	33rd	Driskill Mtn.	535 ft 163 m	114°	-16°	113.74"	26.44"
Maine	30,865 sq mi 79,939 sq km	39th	Mt. Katahdin	5,267 ft 1,605 m	105°	-48°	75.64"	23.06"
Maryland	9,775 sq mi 25,316 sq km	42nd	Backbone Mtn.	3,360 ft 1,024 m	109°	-40°	72.59"	17.76"
Massachusetts	7,838 sq mi 20,300 sq km	45th	Mt. Greylock	3,487 ft 1,063 m	107°	-35°	72.19"	21.76"
Michigan	56,809 sq mi 147,135 sq km	22nd	Mt. Arvon	1,979 ft 603 m	112°	-51°	64.01"	15.64"
Minnesota	79,617 sq mi 206,207 sq km	14th	Eagle Mtn.	2,301 ft 701 m	114°	-59°	51.53"	7.81"
Mississippi	46,914 sq mi 121,506 sq km	31st	Woodall Mtn.	806 ft 246 m	115°	-19°	104.36"	25.97"
Missouri	68,898 sq mi 178,446 sq km	18th	Taum Sauk Mtn.	1,772 ft 540 m	118°	-40°	92.77"	16.14"

State	Land Area and Rank		Highest Point		Temperature °F		Annual Precipitation	
					Highest Recorded	Lowest Recorded	Highest Recorded	Lowest Recorded
Montana	145,556 sq mi 376,991 sq km	4th	Granite Peak	12,799 ft 3,901 m	117°	-70°	55.51"	2.97"
Nebraska	76,878 sq mi 199,113 sq km	15th	Johnson Township in Kimball County	5,424 ft 1,653 m	118°	-47°	64.52"	6.30"
Nevada	109,806 sq mi 284,397 sq km	7th	Boundary Peak	13,140 ft 4,005 m	125°	-50°	59.03"	Trace
New Hampshire	8,969 sq mi 23,231 sq km	44th	Mt. Washington	6,288 ft 1,917 m	106°	-46°	130.14"	22.31"
New Jersey	7,419 sq mi 19,215 sq km	46th	High Point	1,803 ft 550 m	110°	-34°	85.99"	19.85"
New Mexico	121,365 sq mi 314,334 sq km	5th	Wheeler Peak	13,161 ft 4,011 m	122°	-50°	62.45"	1.00"
New York	47,224 sq mi 122,310 sq km	30th	Mt. Marcy	5,344 ft 1,629 m	108°	-52°	82.06"	17.64"
North Carolina	48,718 sq mi 126,180 sq km	29th	Mt. Mitchell	6,684 ft 2,037 m	110°	-34°	129.60"	22.69"
North Dakota	68,994 sq mi 178,695 sq km	17th	White Butte	3,506 ft 1,069 m	121°	-60°	37.98"	4.02"
Ohio	40,953 sq mi 106,067 sq km	35th	Campbell Hill	1,549 ft 472 m	113°	-39°	70.82"	16.96"
Oklahoma	68,679 sq mi 177,878 sq km	19th	Black Mesa	4,973 ft 1,516 m	120°	-27°	84.47"	6.53"
Oregon	96,003 sq mi 248,647 sq km	10th	Mt. Hood	11,239 ft 3,426 m	119°	-54°	168.88"	3.33"
Pennsylvania	44,820 sq mi 116,083 sq km	32nd	Mt. Davis	3,213 ft 979 m	111°	-42°	81.64"	15.71"
Rhode Island	1,045 sq mi 2,707 sq km	50th	Jerimoth Hill	812 ft 247 m	104°	-23°	70.21"	24.08"
South Carolina	30,111 sq mi 77,988 sq km	40th	Sassafras Mtn.	3,560 ft 1,085 m	111°	-19°	101.65"	20.73"
South Dakota	75,891 sq mi 196,575 sq km	16th	Harney Peak	7,242 ft 2,207 m	120°	-58°	48.42"	2.89"
Tennessee	41,220 sq mi 106,759 sq km	34th	Clingmans Dome	6,643 ft 2,025 m	113°	-32°	114.88"	25.23"
Texas	261,914 sq mi 678,358 sq km	2nd	Guadalupe Peak	8,749 ft 2,667 m	120°	-23°	109.38"	1.64"
Utah	82,168 sq mi 212,816 sq km	12th	Kings Peak	13,528 ft 4,123 m	117°	-69°	108.54"	1.34"
Vermont	9,249 sq mi 23,956 sq km	43rd	Mt. Mansfield	4,393 ft 1,339 m	105°	-50°	92.88"	22.98"
Virginia	35,598 sq mi 102,558 sq km	37th	Mt. Rogers	5,729 ft 1,746 m	110°	-30°	81.78"	12.52"
Washington	66,582 sq mi 172,447 sq km	20th	Mt. Rainier	14,410 ft 4,392 m	118°	-48°	184.56"	2.61"
West Virginia	24,087 sq mi 62,384 sq km	41st	Spruce Knob	4,861 ft 1,481 m	112°	-37°	94.01"	9.50"
Wisconsin	54,314 sq mi 104,673 sq km	25th	Timms Hill	1,951 ft 595 m	114°	-54°	62.07"	12.00"
Wyoming	97,105 sq mi 251,501 sq km	9th	Gannett Peak	13,804 ft 4,207 m	114°	-63°	55.46"	1.28"

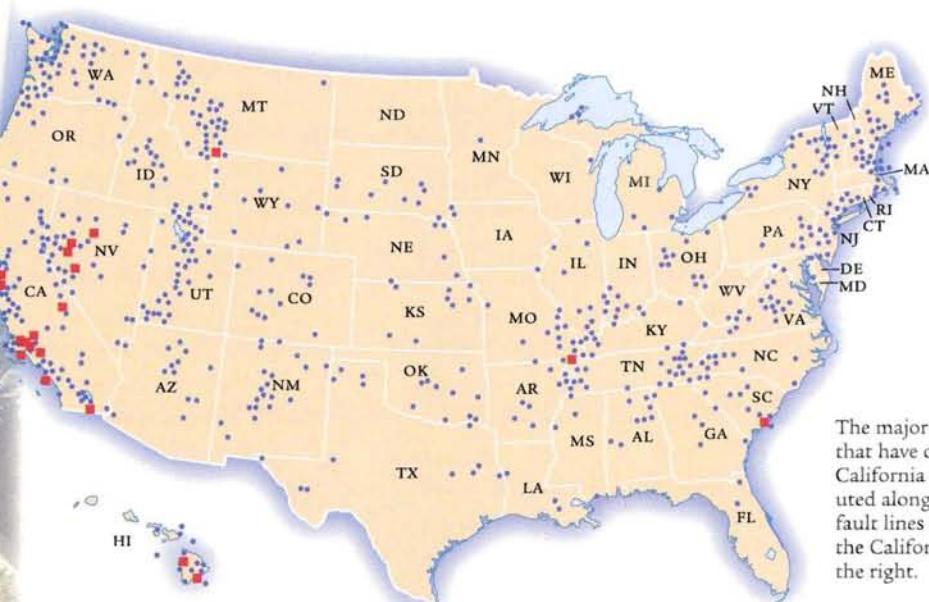
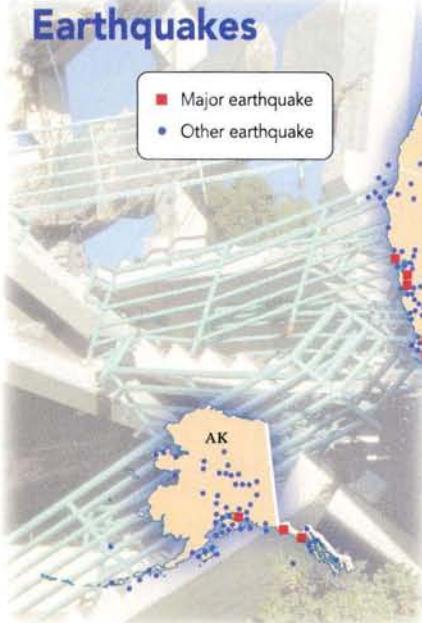
Divide



DIVIDE: The boundary or high ground between river systems. Streams on one side of the divide flow in a different direction and into a different drainage basin from the streams on the other side. A continental divide is the boundary that separates the rivers flowing toward opposite sides of a continent.

In North America a continental divide called the **Great Divide** runs along the crest of the Rocky Mountains, dividing rivers that flow to the Gulf of Mexico and the Atlantic Ocean from those that flow into the Pacific Ocean. Another much lower divide separates those rivers that flow north through Hudson Bay to the Arctic Ocean. Triple Divide Peak in Montana is located on both these divides. Water from one side of this mountain flows east to the Atlantic; from another side water flows west to the Pacific; and from the north face, water flows to the Arctic Ocean.

Earthquakes

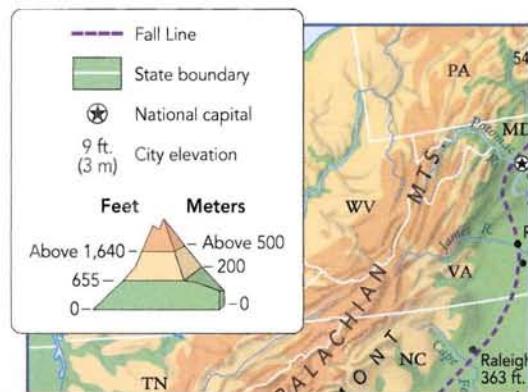


The major earthquakes that have occurred in California are distributed along the major fault lines depicted on the California map to the right.

Fall Line

FALL LINE: A geologic feature where uplands meet lowlands and a series of waterfalls and rapids occur. Fall lines are formed where a region of hard rock borders softer rock, and the softer rock has eroded away. The erosion creates a ledge that water flows over.

A major fall line exists in the eastern United States. It marks the boundary between the Coastal Plain and the Piedmont and runs between New York and Alabama. Cities have grown into industrial and commercial hubs around each waterfall on the fall line for two reasons. First, the energy of the falling water can be captured and used by industry. Second, the fall line is often the farthest point reachable by ships carrying goods up river, which means that goods are transferred to land-based transport at that point. Some fall line cities on the East Coast include Trenton, Philadelphia, Baltimore, Washington, D.C., Richmond, Petersburg, Columbia, Macon, and Montgomery. If you draw a line on a map connecting these city dots, you will have drawn the Eastern Fall Line.



Fault



FAULT: A break in the Earth's crust caused by movement. Solid rock on one side of the fault no longer matches the solid rock on the other side. The movement may take place in any direction—up, down, or sideways. The movement may be a few inches or thousands of feet.

A fault that moves up or down is called a **dip-slip fault**. Niagara Falls cascades over an escarpment caused by this kind of movement.



A fault that moves sideways is called a **strike-slip fault**. The San Andreas fault is an example of this kind. Horizontal movement along this fault caused the devastating San Francisco earthquake in 1906 and will cause more earthquakes in the future. This happens because this fault marks the boundary between the Pacific Plate and the North American Plate (see page 20).

Where two parallel faults pull away from each other, they create a long, sunken valley between them called a **rift**. The Great Rift Valley in Africa is the world's most visible example (see page 91). Underwater, the huge Mid-Ocean Ridge is the longest rift on Earth (see pages 18–19).

Marine



Quillayute
Most annual
cloudy days: 240

Astoria
Most annual
cloudy days: 240

Mt. Baker
Most snow in one season:
1,140" (2,896 cm), 1998–1999



Highland

Mediterranean



Death Valley
Lowest average annual
precipitation, 2.25" (5.7 cm)

Los Angeles

San Diego

Yuma

Daily chance of sunshine: 90%

Death Valley
Highest recorded
temperature: 134°F (57°C), 1913

Tundra



Prospect Creek Camp
Lowest recorded
temperature:
-80°F (-62°C), 1917

Fairbanks

Anchorage

ALASKA

ARIZONA

Phoenix

NEW MEXICO

TEXAS

San Antonio



Arid

Subarctic



Tropical wet



Mt. Waialeale
Highest average annual precipitation:
460.0" (1,168 cm)

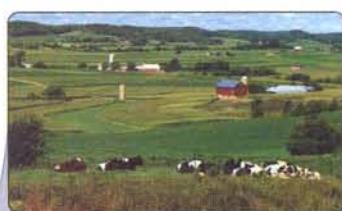
Honolulu

HAWAII

Hilo
Most days of rain: 277



Semi-arid



Humid continental



Climate	
Tropical wet	
Tropical wet and dry	
Arid	
Semiarid	
Mediterranean	
Humid subtropical	
Marine	
Humid continental	
Subarctic	
Tundra	
Highland	



Humid subtropical



Tropical wet and dry



Coniferous forest



Midlatitude grassland



Midlatitude scrubland



Tundra



Desert

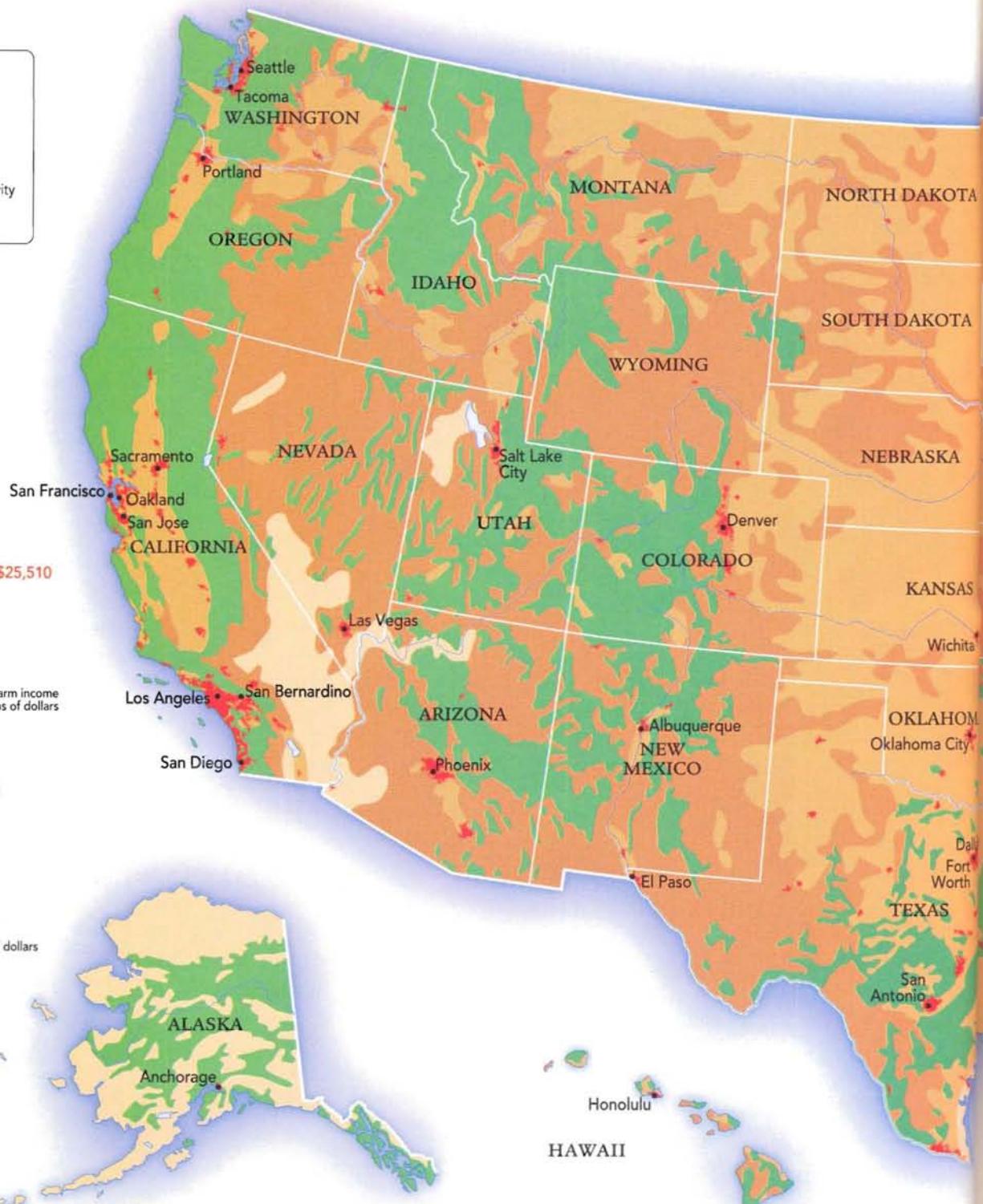


Tropical rain forest



Land Use

- Farming
- Grazing
- Primarily forestland
- Limited agricultural activity
- Urban area

**Leading Agricultural States**

Source: Economic Research Service, 2000 data,
U.S. Dept. of Agriculture

Leading Corn Producing States

Value in millions of dollars

Leading Soy Producing States**Leading Wheat Producing States**

Value in millions of dollars

**Leading Vegetable Producing States**

CA	\$6,192
FL	\$1,397
WA	\$836
ID	\$754
AZ	\$608

Value in millions of dollars

**Leading Dairy Producing States**

CA	\$3,708
WI	\$2,721
NY	\$1,562
PA	\$1,528
MN	\$1,139
ID	\$766

Value in millions of dollars



Source: Crop Production, 2000 data, National Agricultural Statistics Service, U.S. Dept. of Agriculture

Source: Foreign Agricultural Commodity Circular Series, 2000 data, Foreign Agricultural Service, U.S. Dept. of Agriculture

Energy Resources

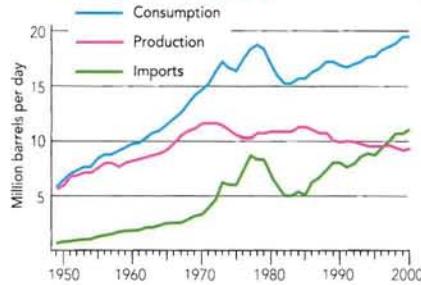
- Major oil fields
- Natural gas fields

Coal Deposits

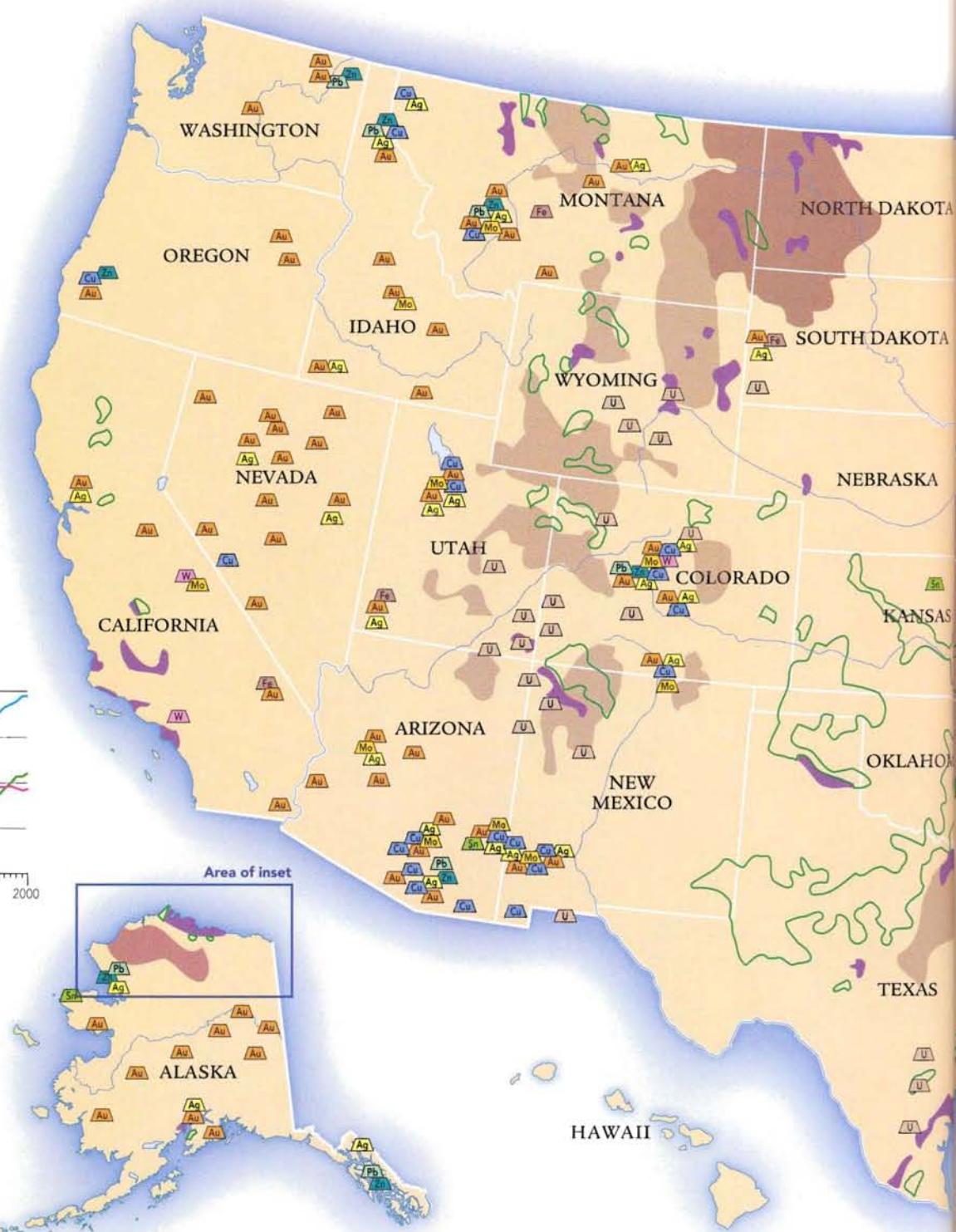
- Anthracite
- Bituminous
- Lignite

Mineral Resources

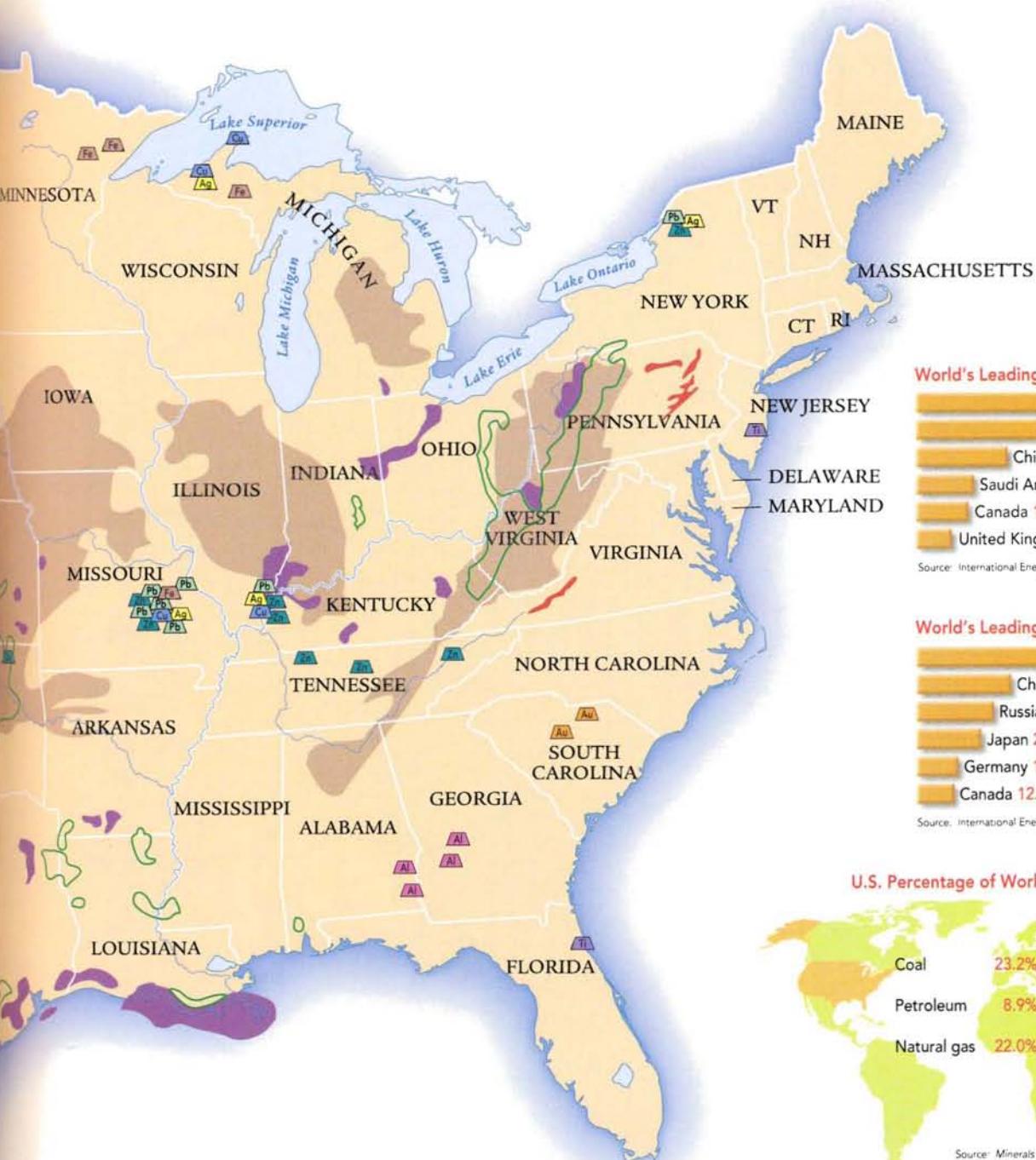
- Bauxite
- Copper
- Gold
- Iron ore
- Lead
- Molybdenum
- Silver
- Tin
- Titanium
- Tungsten
- Uranium
- Zinc

U.S. Petroleum Overview

Source: U.S. Energy Information Administration



The United States Geological Survey estimates that there is a 50% chance of extracting 5 billion barrels of oil from the coastal plain within the Arctic National Wildlife Refuge. Debate surrounds the issue of drilling and production and its impact on the environment.

**Leading Petroleum Producing States, 1999**

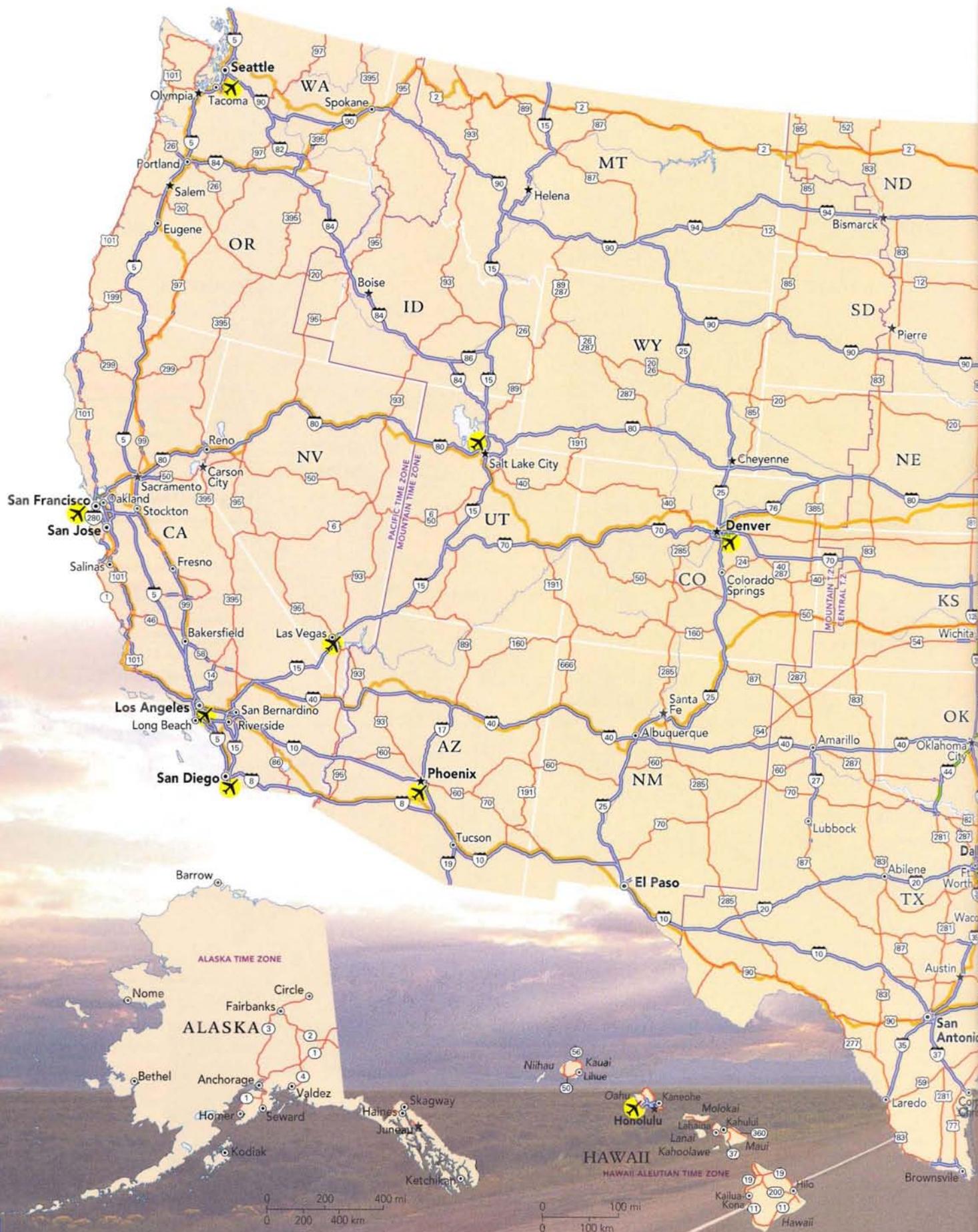
Source: Petroleum Supply Annual, U.S. Energy Information Administration

Leading Natural Gas Producing States, 1999

Source: Natural Gas Annual, U.S. Energy Information Administration

Leading Coal Producing States, 2000

Source: Coal Industry Annual 2000, U.S. Energy Information Administration



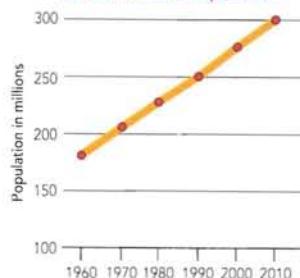
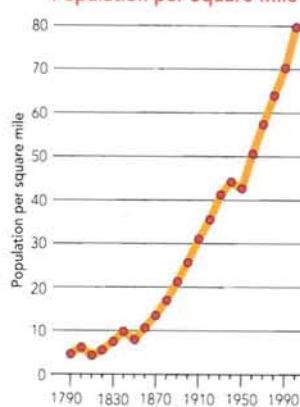


Population

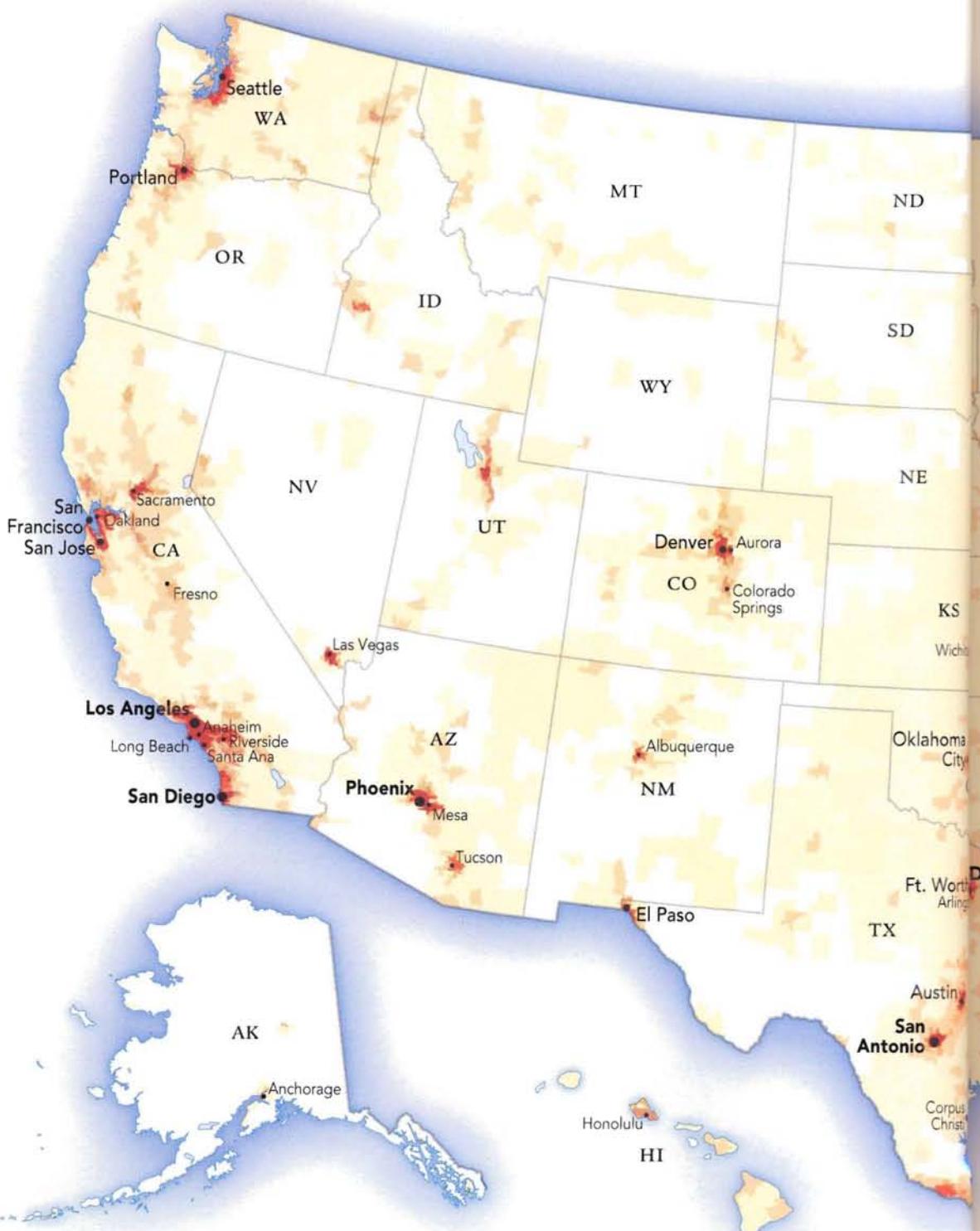
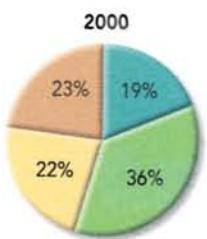
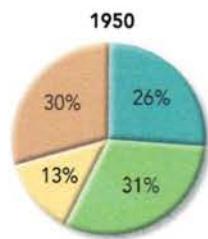
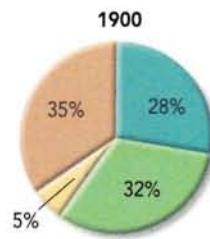
Persons per sq. mile	Persons per sq. km
Over 1040	Over 400
520 to 1039	200 to 399
260 to 519	100 to 199
130 to 259	50 to 99
25 to 129	10 to 49
1 to 24	1 to 9
Under 1	Under 1

Major cities

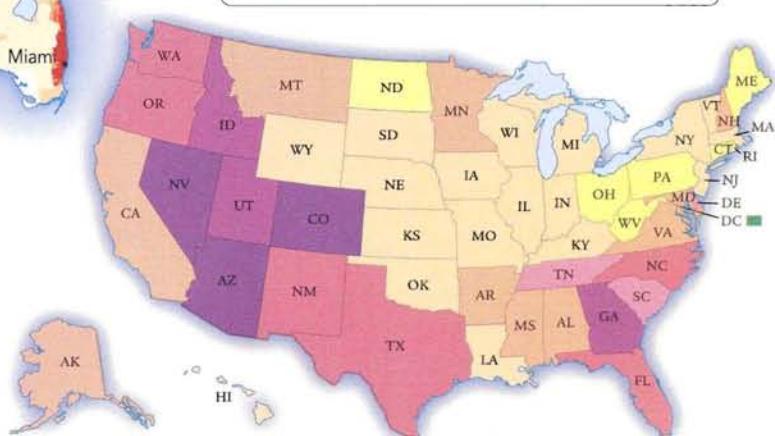
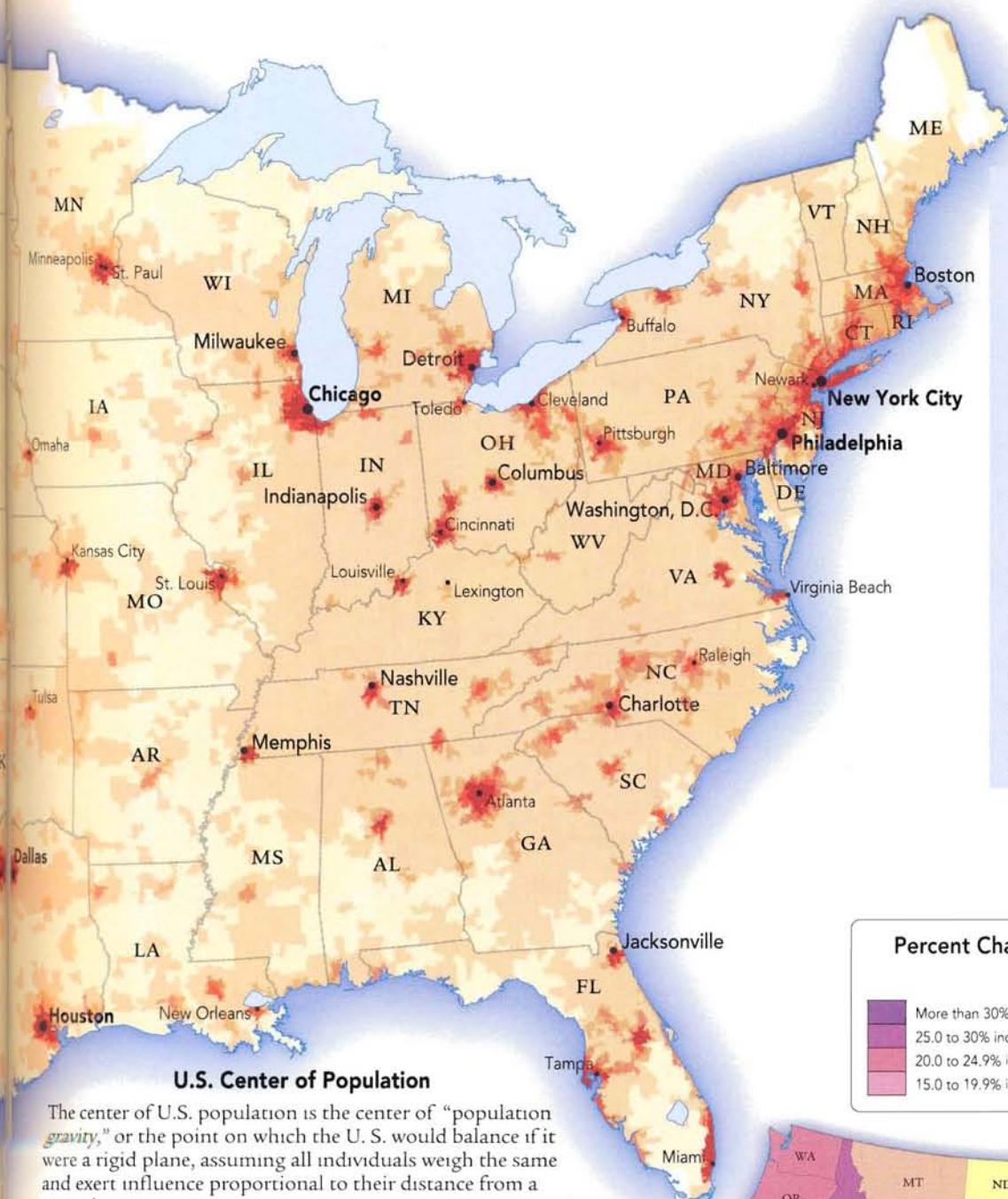
- Over 1 million
- 500,000 to 1 million
- 250,000 to 500,000

U.S. Resident Population**Population per Square Mile**

Source: U.S. Census Bureau

**Distribution of Population by Region: 1900, 1950, 2000**

Source: U.S. Census Bureau



Per Capita Income

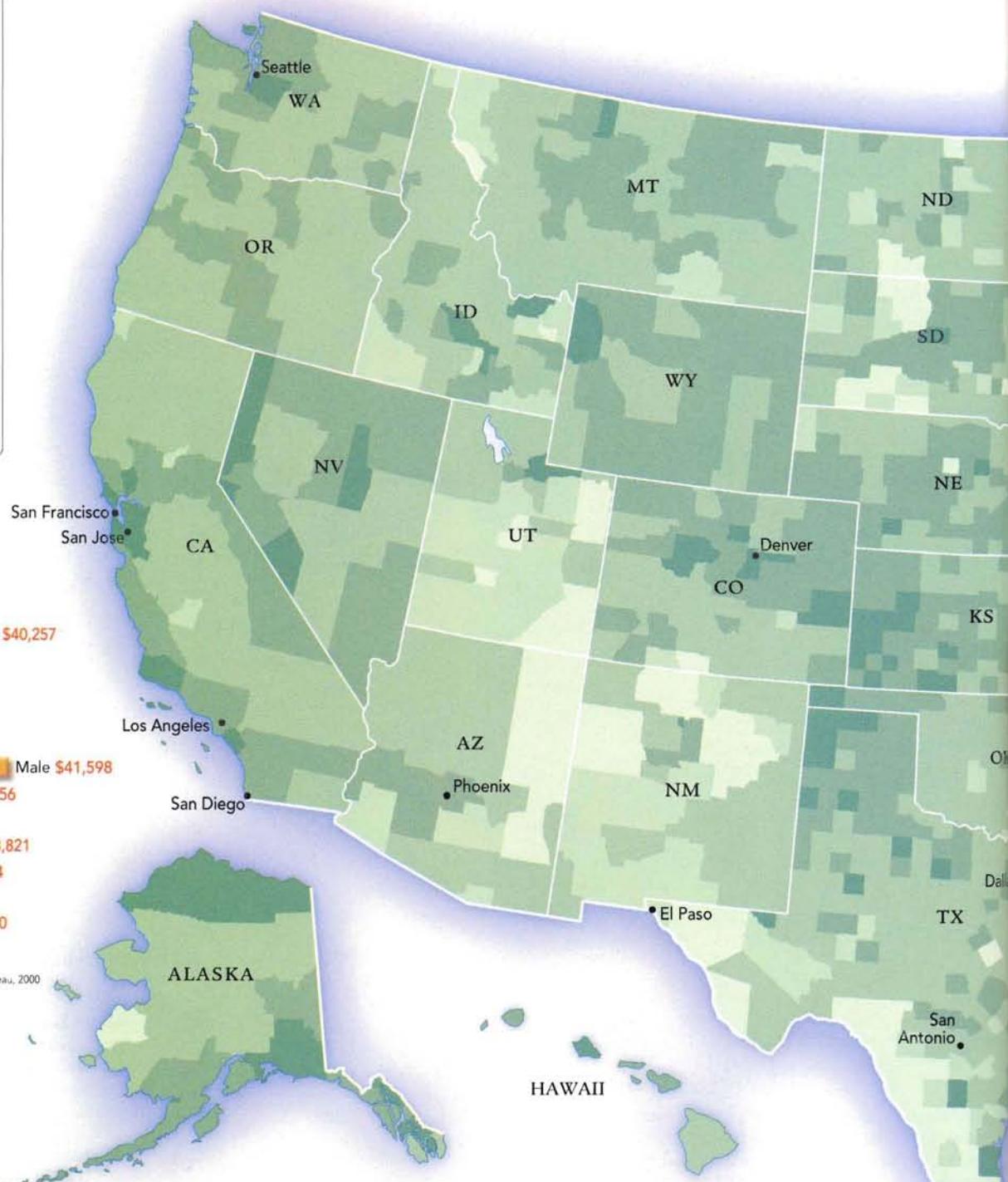
Per capita personal income*
in dollars



*Per capita personal income is the mean average income computed for every man, woman, and child in a particular area. It is derived by dividing the total income of a particular area by the total population of that area. The areas used in this map are the counties and county equivalents.

Based on latest available data.

Source: Bureau of Economic Analysis,
U.S. Census Bureau



Earnings by Gender

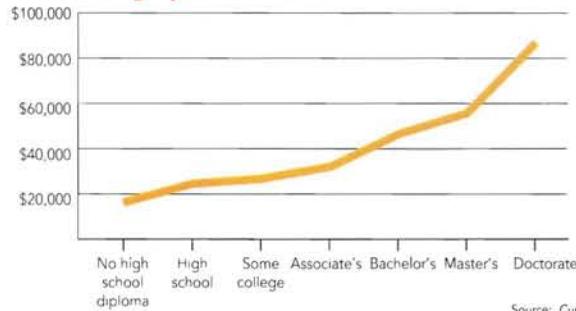


Earnings by Race

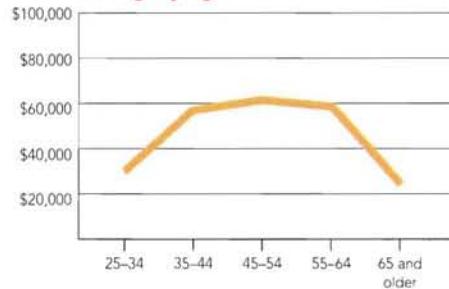


Source: Current Population Reports, U.S. Census Bureau, 2000

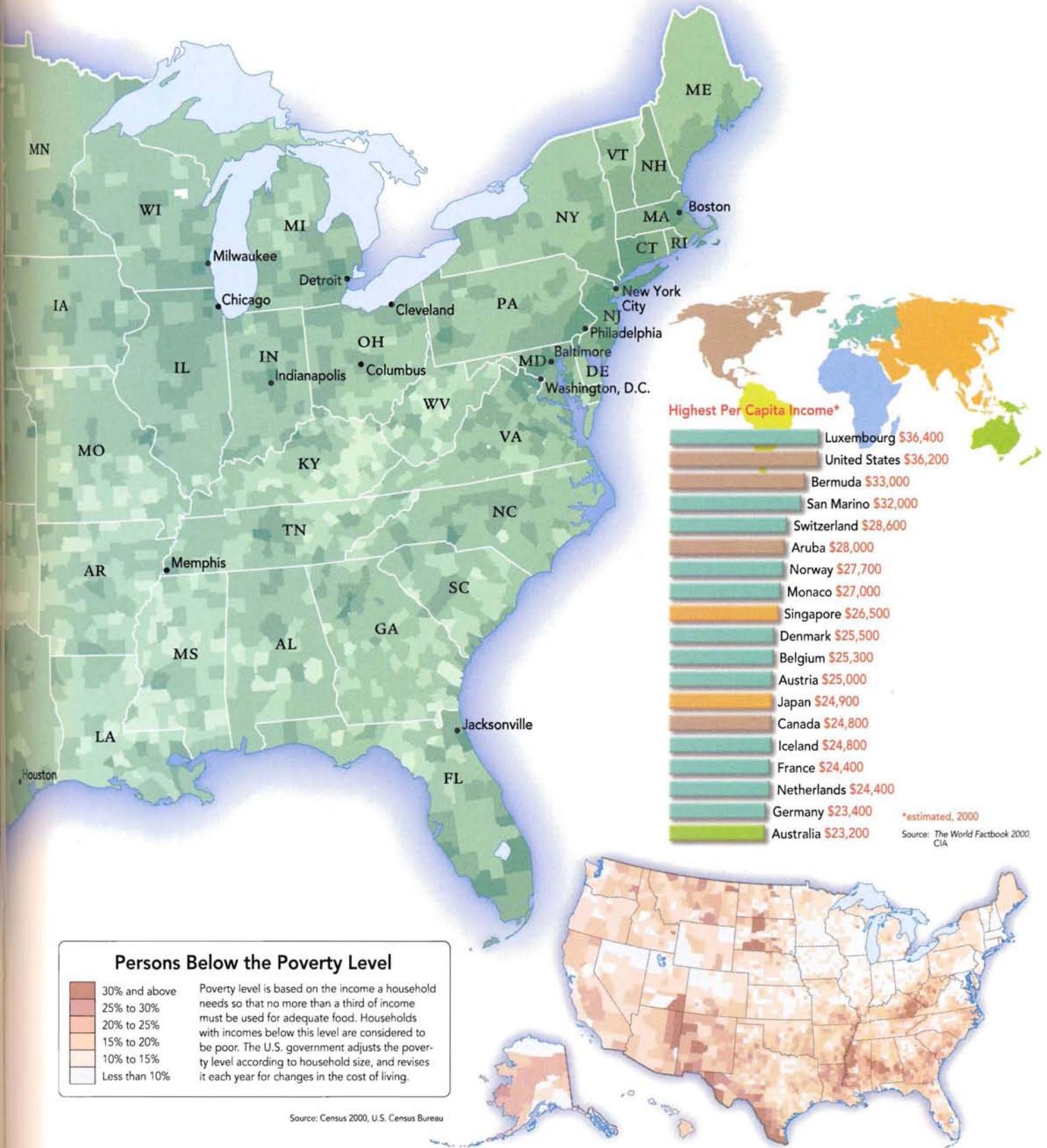
Earnings by Education Level



Earnings by Age



Source: Current Population Reports, U.S. Census Bureau, 2000



Canada

Facts

- Area: 3,511,022 square miles (9,093,507 square kilometers)

- Highest Point: Mt. Logan, 19,551 ft. (5,959 m)

- Lowest Point: sea level

- Longest River: Mackenzie, 1,023 mi. (1,730 km)

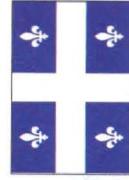
- Largest Lake: Great Bear Lake, 12,096 sq. mi. (31,328 sq. km)

- Largest City: Toronto, Ontario, 2,481,494 (city population)

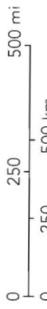


Symbol and label sizes indicate relative sizes of cities:

- **Toronto**
- **Vancouver**
- **Sault Ste. Marie**



Québec



Newfoundland and Labrador



Canada

Mexico

South America

Europe



Prince Edward Island



Nova Scotia



New Brunswick



Ontario



Manitoba



Alberta



British Columbia



Northwest Territories

ARCTIC OCEAN



Nunavut

Symbol and label sizes indicate relative sizes of cities:

- **Toronto**
- **Vancouver**
- **Sault Ste. Marie**



Yukon Territory

Beaufort Sea

Gulf of Alaska

Arctic Circle

Northwest Territories

CANADA

Alberta

Saskatchewan

Manitoba

Ontario

Quebec

Newfoundland and Labrador

Prince Edward Island

New Brunswick

Manitoba

Alberta

Saskatchewan

Ontario

Quebec

Newfoundland and Labrador

Prince Edward Island

New Brunswick

Manitoba

Alberta

Saskatchewan

Ontario

Quebec

Newfoundland and Labrador

Prince Edward Island

New Brunswick

Manitoba

Alberta

Saskatchewan

Ontario

Quebec

Newfoundland and Labrador

Prince Edward Island

New Brunswick

Manitoba

Alberta

Saskatchewan

Ontario

Quebec

Newfoundland and Labrador

Prince Edward Island

New Brunswick



Canada



South America





Major Metropolitan Areas

Argentina

Buenos Aires	11,298,000
Córdoba	1,209,000
Rosario	1,119,000

Bolivia

La Paz	1,484,000
Santa Cruz	1,136,000
Cochabamba	517,000

Brazil

São Paulo	17,834,000
Rio de Janeiro	10,612,000
Belo Horizonte	4,800,000
Pôrto Alegre	3,655,000
Recife	3,332,000
Salvador	3,018,000
Fortaleza	2,975,000
Brasília	2,942,000
Curitiba	2,726,000
Belém	1,816,000
Manaus	1,011,000

Chile

Santiago	4,647,000
Vina del Mar	299,000

Colombia

Bogotá	6,422,000
Cali	2,129,000
Medellín	1,885,000
Barranquilla	1,549,000

Ecuador

Guayaquil	2,118,000
Quito	1,616,000

French Guiana

Cayenne	50,000
---------	--------

Guyana

Georgetown	187,000
------------	---------

Paraguay

Asunción	513,000
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Peru

Lima	6,988,000
Arequipa	830,000
Chiclayo	766,000

Suriname

Paramaribo	291,000
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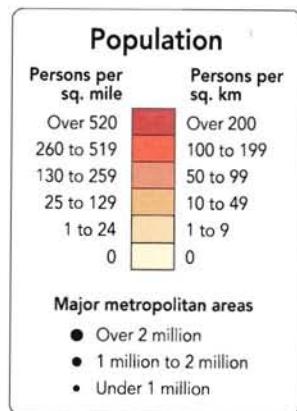
Uruguay

Montevideo	1,303,000
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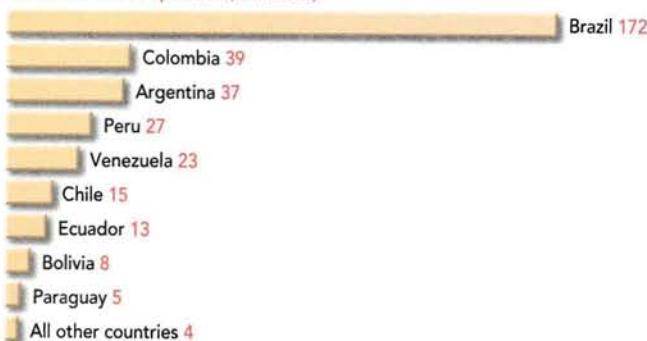
Venezuela

Caracas	3,061,000
Maracaibo	1,220,000
Barquisimeto	896,000
Valencia	742,000

International comparability of population data is limited by varying census methods. Where metropolitan population is unavailable, core city population is shown.



Estimated 2002 Population (in millions)



Source: U.S. Census Bureau



Gross Domestic Product

GDP per capita

- Over \$20,000
- \$10,000 to \$20,000
- \$5,000 to \$9,999
- \$2,500 to \$4,999
- Less than \$2,500
- No data

Source: World Factbook, CIA, 2001

Electricity Use

United States 12,407



Source: World Factbook, CIA, 2001

Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs.



Non-manufacturing economic activity is generated primarily by commercial plantation agriculture, livestock raising, and the harvest of forest products, plus the extraction of oil and minerals. Manufacturing, like population, is concentrated in the continent's coastal areas.

Land Use and Resources

Predominant land use

- Commercial agriculture
- Livestock ranching
- Subsistence agriculture
- Primarily forestland
- Limited agricultural activity

Major resources

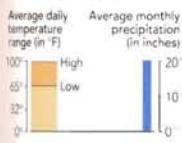
- Coal
- Natural gas
- Oil
- Forest products
- Gold
- Silver
- Iron ore
- Uranium
- Bauxite
- Diamonds
- Other minerals
- Fishing
- Major manufacturing and trade centers

Most of the continent is under the influence of wet and tropical air. Warm currents in the Atlantic Ocean as well as wet lowland elevations lying within the confines of the tropical latitudes directly affect the climate of the majority of the land area. The Andes Mountains and cold currents that hug the Pacific coast keep the Western and Southern regions of the continent temperate but dry.

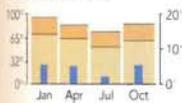
See photographs taken in different kinds of climates on pages 24–25



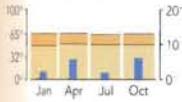
Moist and unstable air above the Equator—as well as highlands that wring out waterlogged clouds—produce heavy rainfall, but along the coast of Chile and elsewhere, cold ocean water and mountainous barriers keep rainfall at a minimum.

Climate Graphs

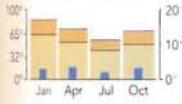
ASUNCIÓN, Paraguay



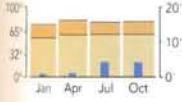
BOGOTÁ, Colombia



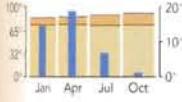
BUENOS AIRES, Argentina



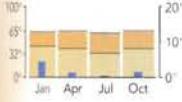
CARACAS, Venezuela



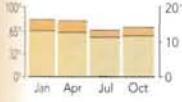
CAYENNE, French Guiana



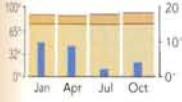
LA PAZ, Bolivia



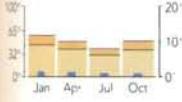
LIMA, Peru



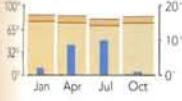
MANAUS, Brazil



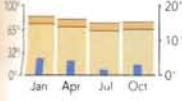
PUNTA ARENAS, Chile



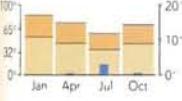
RECIFE, Brazil



RIO DE JANEIRO, Brazil



SANTIAGO, Chile

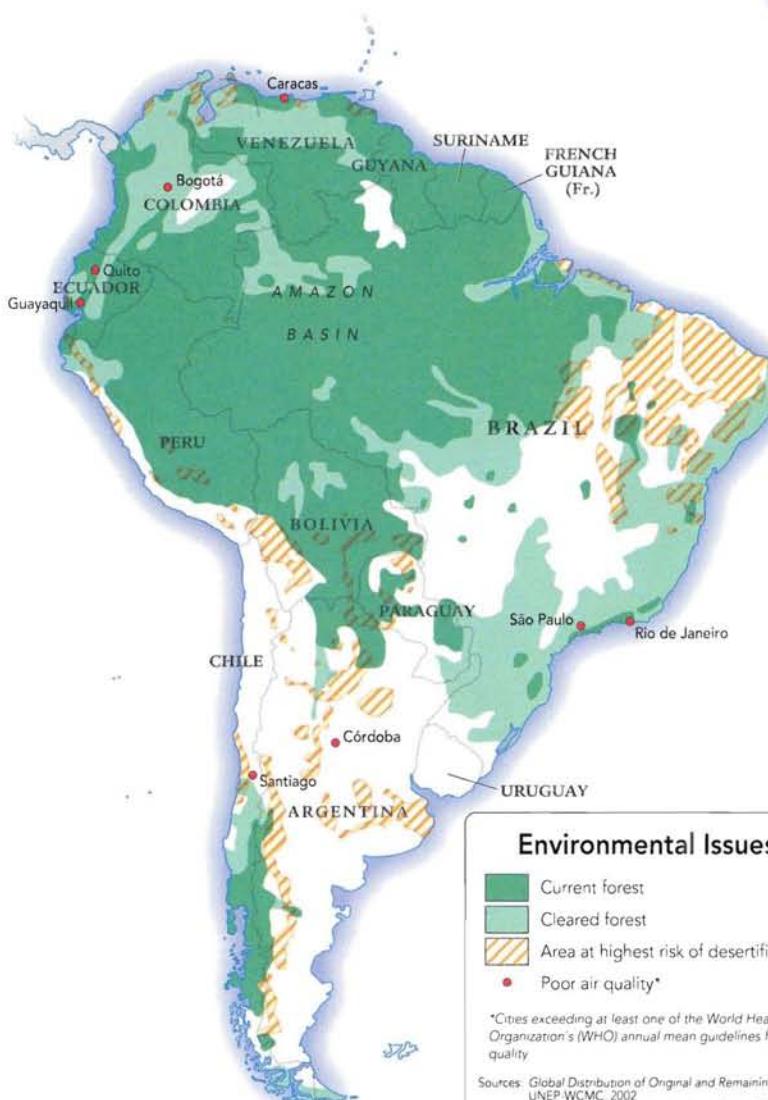


South America is dominated by tropical vegetation, including Earth's most extensive rain forest. Farther south, a vast grassland, the Pampa, fades gradually into the dry and meager vegetation of Patagonia.

See photographs of the different kinds of vegetation on pages 26–27.

**Vegetation**

Unclassified highlands or ice cap	Midlatitude grassland
Midlatitude deciduous forest	Desert
Mixed forest	Tropical seasonal and scrub
Midlatitude scrubland	Tropical rain forest
	Tropical savanna

**Environmental Issues**

Current forest
Cleared forest
Area at highest risk of desertification
Poor air quality*

*Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP WCMC, 2002
World Soil Resources Map Index, USDA/NRCS, 2002
World Development Indicators, World Bank, 1999

The destruction of forest areas—especially in the Amazon Basin—is one of the leading environmental issues in South America. In Brazil, it is estimated that an average of 15,000 acres of forest are lost each day as people clear land for timber and to grow crops. Human activities have impacted other types of vegetation, as well. For example, overgrazing has caused damage to grasslands in many areas, putting them at risk of becoming infertile deserts. Poor urban air quality is another serious concern in the region, with nearly 80 percent of the population living in cities.

Europe

FACTS

North America

- Area: 4,032,000 square mi.
(10,443,000 square kilometers)
 - Highest Point: Mt. Elbrus,
Russia, 18,510 ft. (5,642 m)
 - Lowest Point: Caspian Sea
92 ft. (28 m) below sea level

The United States

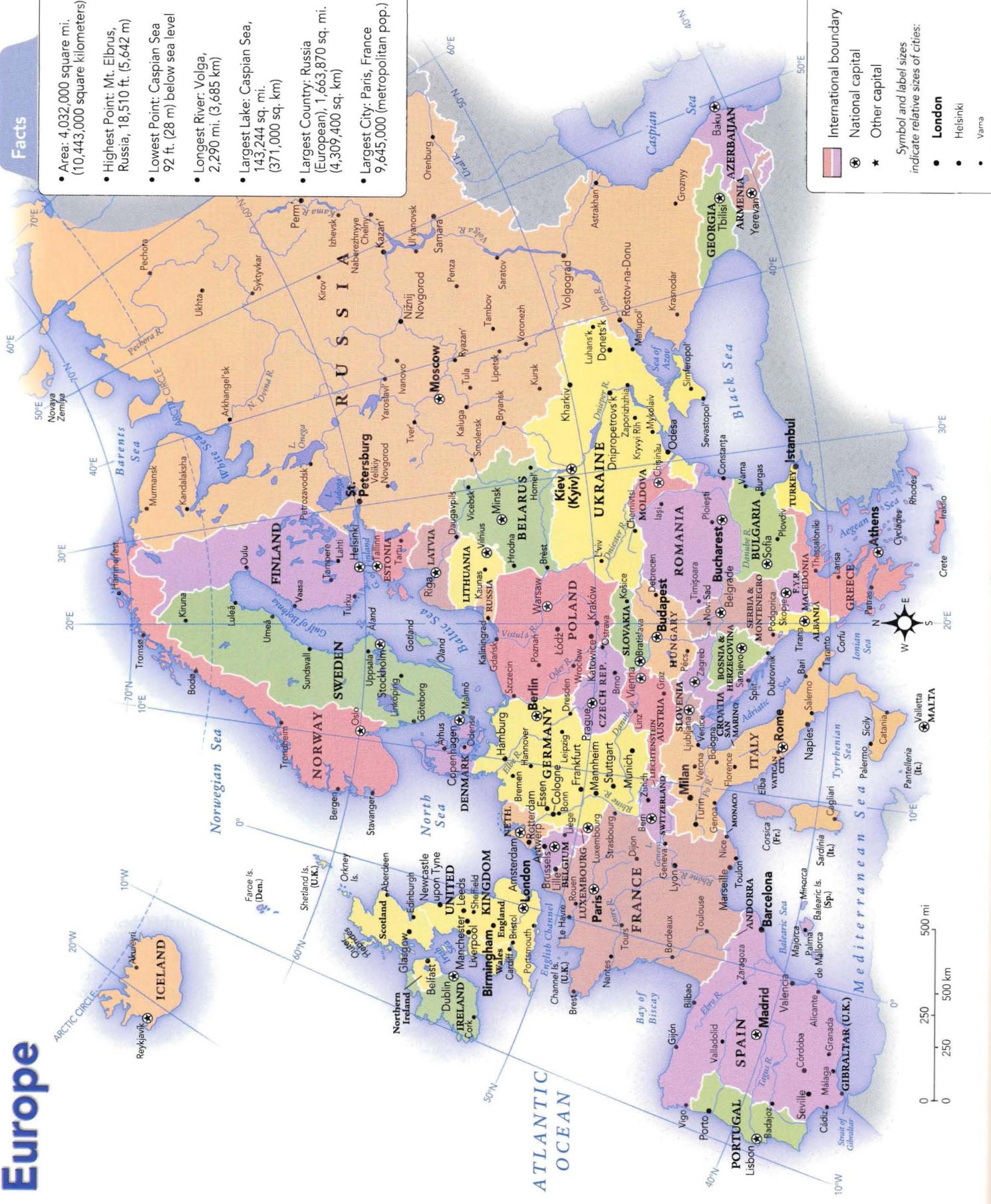
- Longest River: Volga, 2,290 mi. (3,685 km)
 - Largest Lake: Caspian Sea, 143,244 sq. mi. (371,000 sq. km)
 - Largest Country: Russia (European), 1,663,870 sq. mi. (4,399,400 sq. km)
 - Largest City: Paris, France 9,645,000 (metropolitan pop.)

Canada

South America

- South America

Europe



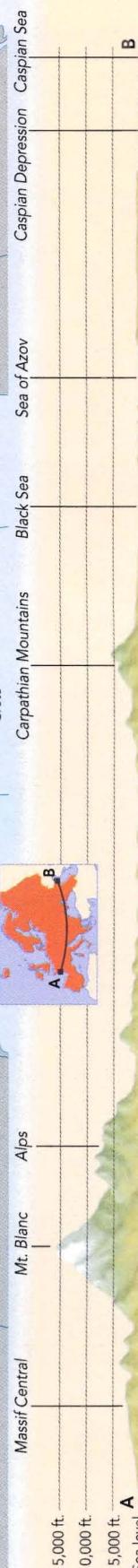
Legend:

- International boundary
- Canal
- Mountain peak
- Lowest point

Inset Map: Shows the location of the main map within the context of the world map.

Elevation Profile: A vertical cross-section from point A to point B, showing the elevation changes along the route.

Elevation Profile



Major Metropolitan Areas

Albania Tirana 244,000

Andorra Andorra la Vella 21,000

Armenia Yerevan 1,247,000

Austria Vienna 1,562,000

Azerbaijan Baku 1,792,000

Belarus Minsk 1,681,000

Belgium Brussels 978,000
Antwerp 449,000

Bosnia & Herzegovina Sarajevo 529,000

Bulgaria Sofia 1,191,000

Croatia Zagreb 692,000

Czech Republic Prague 1,179,000

Denmark Copenhagen 1,085,000

Estonia Tallinn 398,000

Finland Helsinki 965,000

France Paris 9,645,000
Marseille 1,350,000
Lyon 1,349,000
Lille 1,001,000

Georgia Tbilisi 1,399,000

Germany (core city only)
Berlin 3,382,000
Hamburg 1,715,000
Munich 1,210,000
Cologne 963,000
Frankfurt 647,000
Essen 595,000
Dortmund 589,000
Stuttgart 584,000
Düsseldorf 569,000

Greece Athens 3,073,000

Hungary Budapest 1,825,000

Iceland Reykjavik 175,000

Ireland Dublin 1,123,000

Italy Rome 2,460,000
Milan 1,183,000
Naples 993,000
Turin 857,000
Palermo 653,000
Genoa 604,000

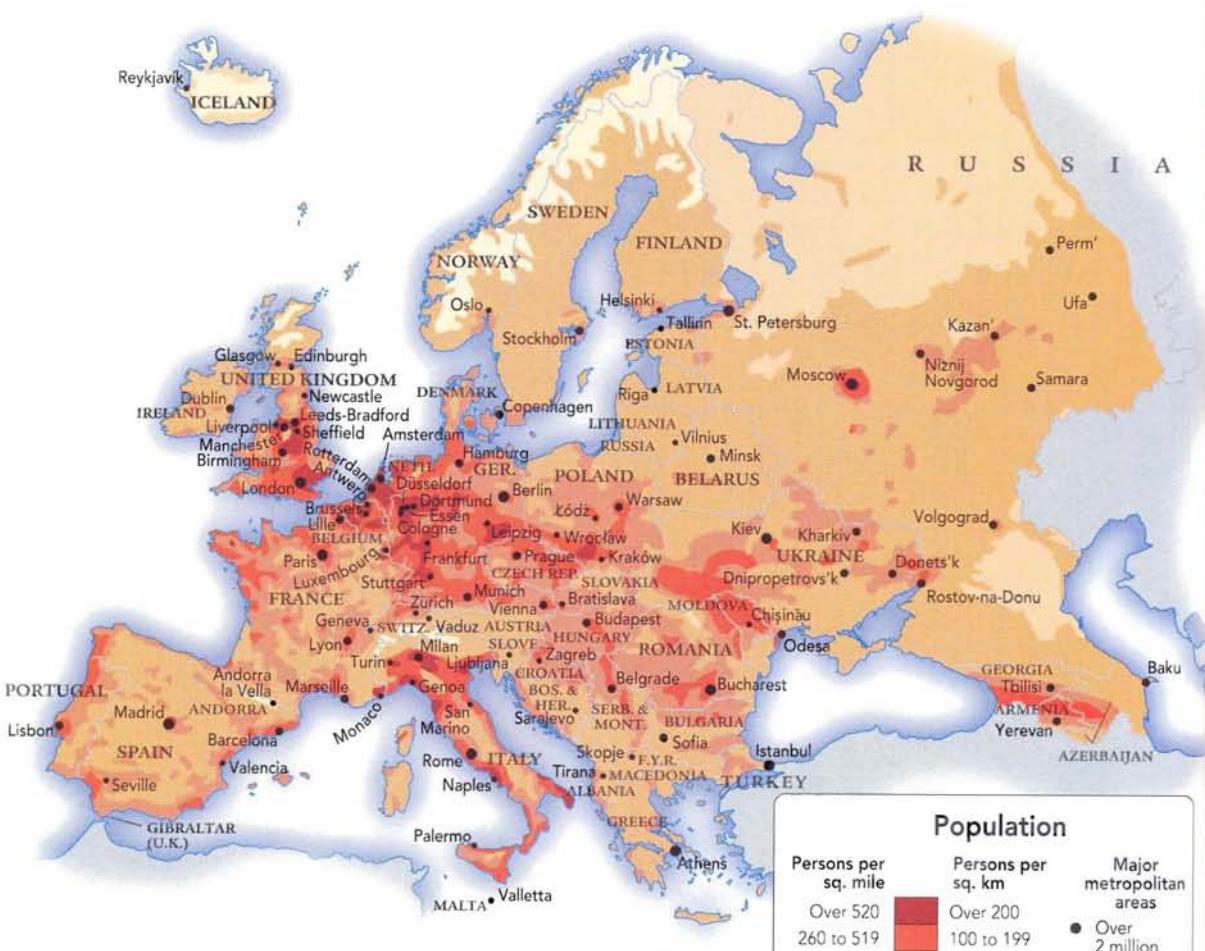
Latvia Riga 793,000

Liechtenstein Vaduz 5,000

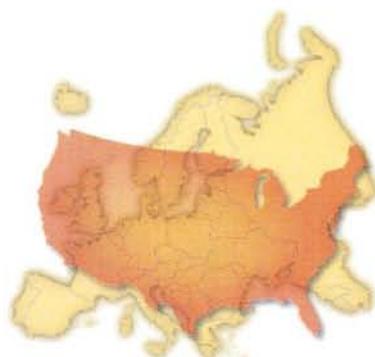
Lithuania Vilnius 578,000

Luxembourg Luxembourg 77,000

F.Y.R. Macedonia Skopje 545,000

**Population**

Persons per sq. mile	Persons per sq. km	Major metropolitan areas
Over 520	Over 200	● Over 2 million
260 to 519	100 to 199	● 1 million to 2 million
130 to 259	50 to 99	
25 to 129	10 to 49	
1 to 24	1 to 9	
0	0	• Under 1 million

**Estimated 2002 Population (in millions)**

Russia 145

Germany 83

United Kingdom 60

France 60

Italy 58

Ukraine 48

Spain 40

Poland 39

Romania 22

All other countries 36

International comparability of population data is limited by varying census methods.
Where metropolitan population is unavailable, core city population is shown.

Gross Domestic Product



Source: World Factbook, CIA, 2001

Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs.



Electricity Use

Iceland 23,655

Finland 15,768

United States 12,407

France 6,696

Germany 5,964

United Kingdom 5,583

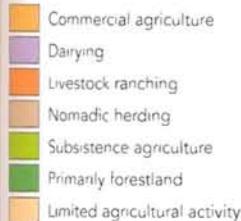
Moldova 1,304

KWh (kilowatt hours) per person per year

Source: World Factbook, CIA, 2001

Land Use and Resources

Predominant land use



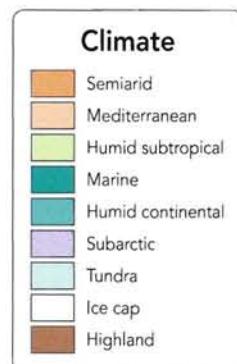
Major resources



Europe, particularly Western Europe, is a consolidation of high-tech, market-driven, globally connected economies, where manufacturing and commercial agriculture predominate. Crucial to continental economic integration is the European Union, a partnership of 15

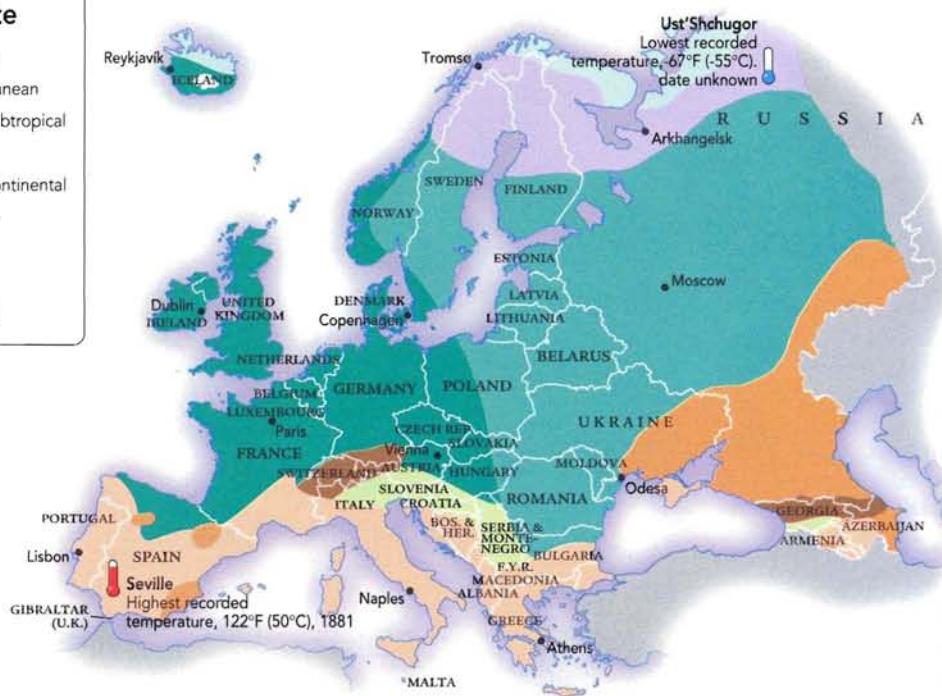
member nations whose combined economic clout rivals the U.S. Russia and former Soviet-satellite nations are, in large part, reaching harmony with the rest of Europe after an initial and unsettling

period of adjustment. Despite centuries of exploration and exploitation, commercially-valuable mineral resources continue to be mined, notably in Russia, the Ukraine, and Scandinavia. The bountiful oil and gas fields of the North Sea are one of the most important and most recent discoveries.



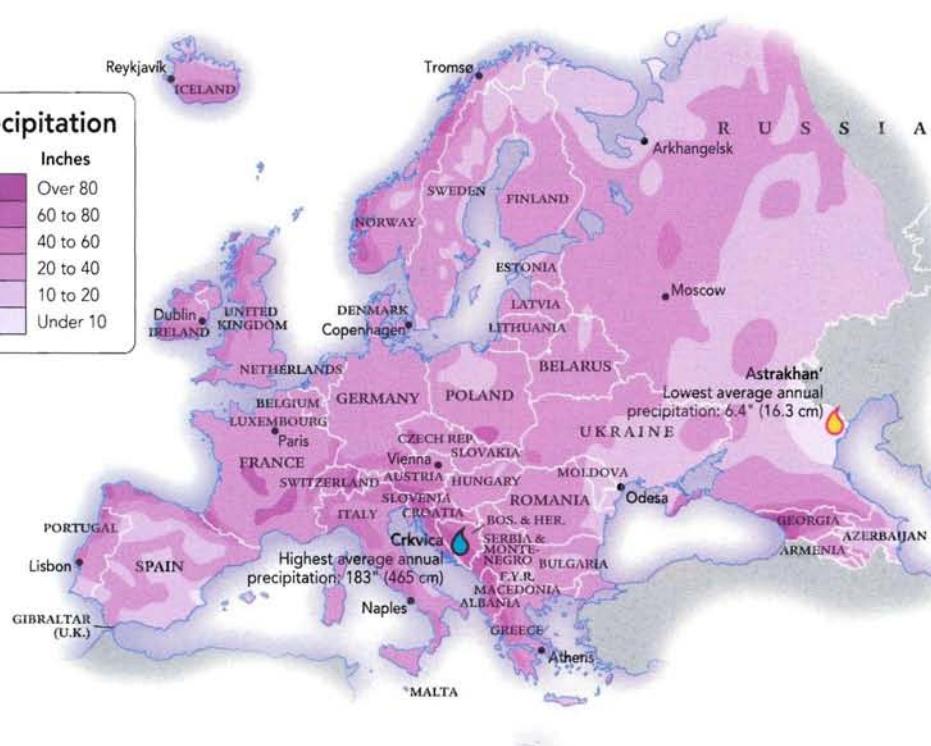
The far-reaching influence and effects of warm ocean currents cannot be overstated. The ceaseless torrent distributed by the Gulf Stream along the coasts of Western Europe, even to the shores of Iceland and Norway, produces much milder weather than would be expected at its latitudes and provides a ready source of moisture. Along the Mediterranean margin of Europe the typical weather—mild, wet winters and hot, dry summers—has been defined as a climate category that is now used worldwide.

See photographs taken in different kinds of climates on pages 24–25.

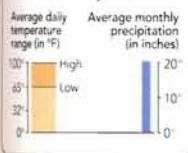


Annual Precipitation

Centimeters	Inches
Over 200	Over 80
150 to 200	60 to 80
100 to 150	40 to 60
50 to 100	20 to 40
25 to 50	10 to 20
Under 25	Under 10



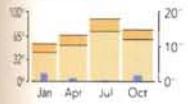
Though regionally formidable mountains rise to extract snow and rain, no continental-scale alpine barrier exists—thereby permitting moisture-laden, westerly winds springing from warm oceanic waters to distribute precipitation uniformly across Europe. However, by the time these currents of air reach the landlocked heart of Eastern Europe, northeast of the Black Sea, much of the moisture has already been spent.

Climate Graphs

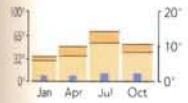
ARKHANGELSK, Russia



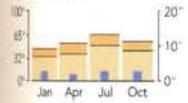
ATHENS, Greece



COPENHAGEN, Denmark



DUBLIN, Ireland



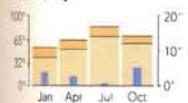
LISBON, Portugal



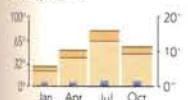
MOSCOW, Russia



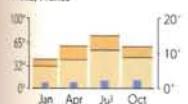
NAPLES, Italy



ODESA, Ukraine



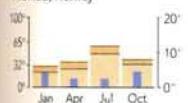
PARIS, France



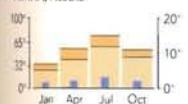
REYKJAVIK, Iceland



TROMSO, Norway



VIENNA, Austria

**Vegetation**

- Unclassified highlands or ice cap
- Tundra and alpine tundra
- Coniferous forest
- Midlatitude deciduous forest
- Mixed forest
- Midlatitude scrubland
- Midlatitude grassland



Forests, nourished by plentiful precipitation, dominate in Europe, but grassland and scrubland thrive where rainfall becomes sparse or is seasonal. Deciduous trees disappear as the winters grow harsh, replaced by vast and hardy stands of coniferous forest that are merely the western end of an immense belt stretching across Russia to the Pacific Ocean.

See photographs of the different kinds of vegetation on pages 26–27.



Emissions from the many cars, trucks, and factories in Europe have led to problems with air pollution and acid rain over a large part of the continent. Land and water pollution (from fertilizers, pesticides, and industrial waste) is also widespread. Since the 1960's, the amount of forest area in Western and Central Europe has actually increased, but many forests (nearly 60%) are damaged due to acidification, pollution, drought, or fires. Overfishing—especially in the North Sea—is a serious problem for marine ecosystems.

Environmental Issues

- Current forest
- Cleared forest
- Area at highest risk of desertification
- Areas most affected by acid rain
- Poor air quality*

*Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP-WCMC, 2002
World Soil Resources Map Index, USDA/NRCS, 2002
World Development Indicators, World Bank, 1999

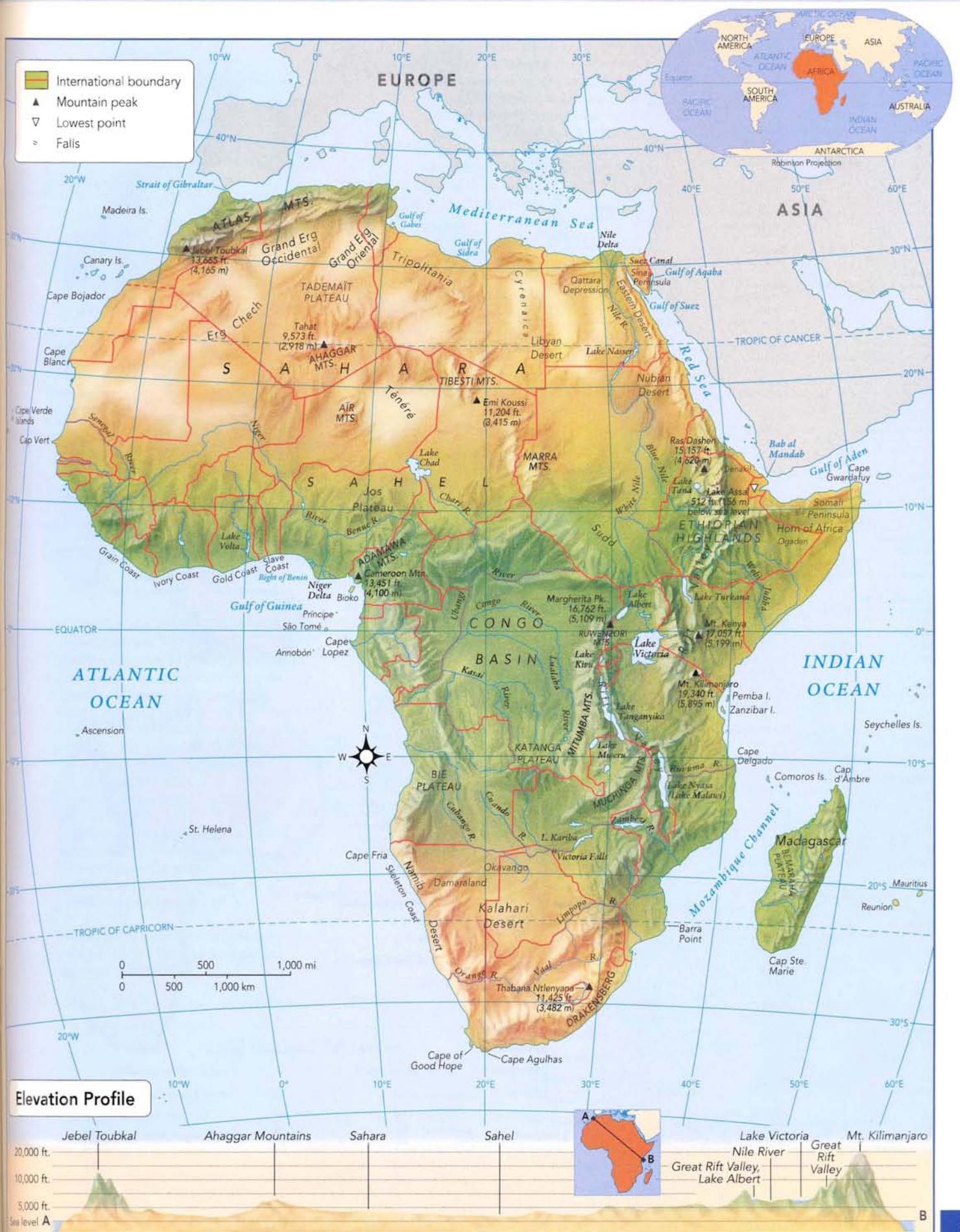
Africa

- International boundary
- National capital
- Other capital

Symbol and label sizes indicate relative sizes of cities:

- Johannesburg
- Dar es Salaam
- Malabo

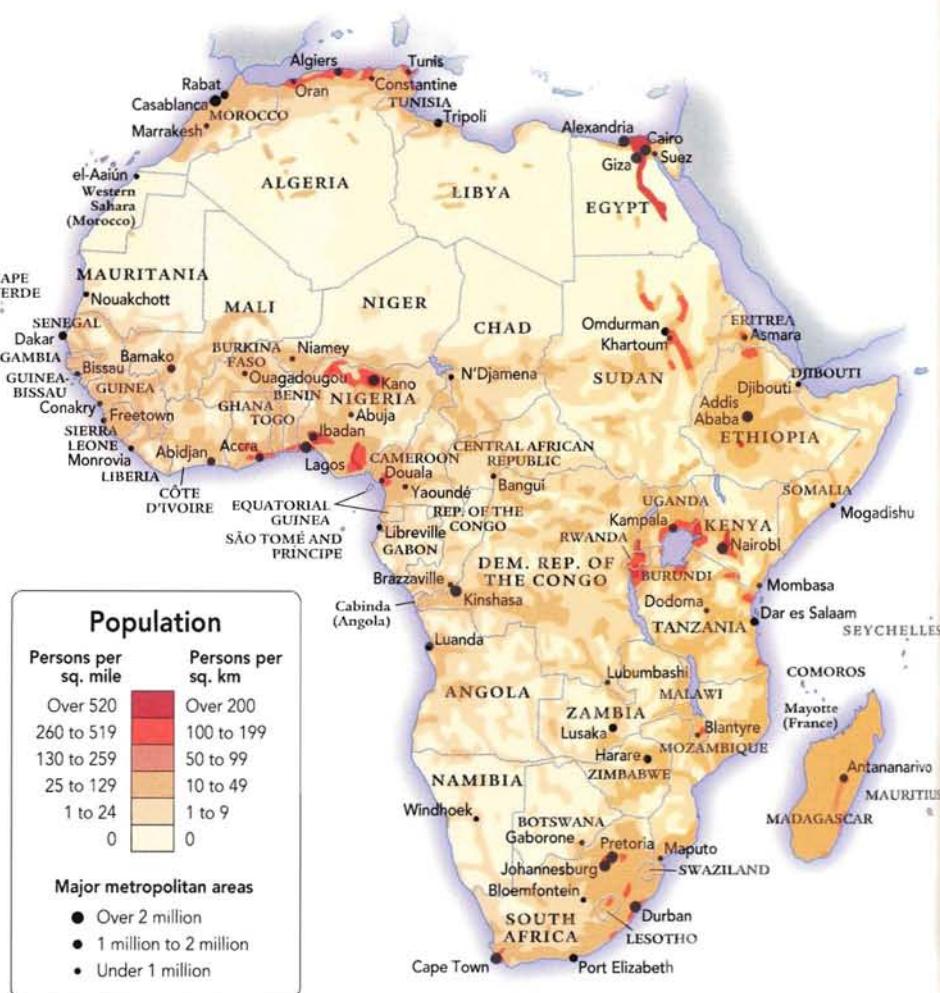


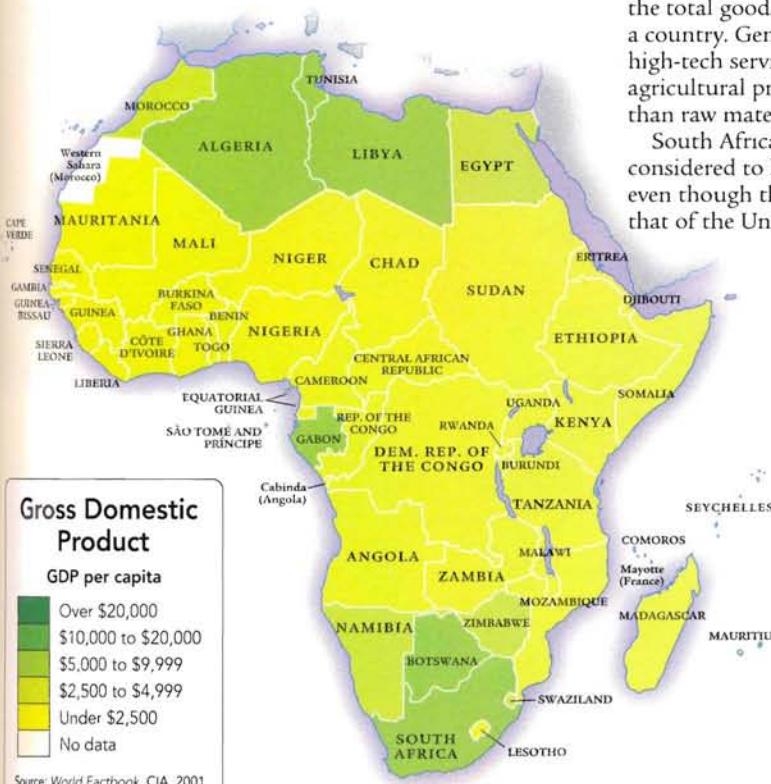


Major Metropolitan Areas

Algeria	Algiers	1,904,000 (metro)
	Oran	745,000
	Constantine	564,000
Angola	Luanda	1,822,000
Benin	Cotonou	537,000
	Porto-Novo	179,000
Botswana	Gaborone	186,000
Burkina Faso	Ouagadougou	634,000
Burundi	Bujumbura	234,000
Cameroon	Douala	810,000
	Yaoundé	649,000
Cape Verde	Praia	103,000
Central African Republic	Bangui	452,000
Chad	N'Djamena	547,000
Comoros	Moroni	30,000
Congo, Democratic Republic of the	Kinshasa	4,657,000
	Lubumbashi	565,000
Congo, Republic of the	Brazzaville	596,000
Côte d'Ivoire	Abidjan	1,929,000
	Yamoussoukro	107,000
Djibouti	Djibouti	62,000
Egypt	Cairo	6,801,000
	Alexandria	3,339,000
	Giza	2,222,000
Equatorial Guinea	Malabo	30,000
Eritrea	Asmara	358,000
Ethiopia	Addis Ababa	2,424,000
Gabon	Libreville	420,000
The Gambia	Banjul	271,000
Ghana	Accra	1,155,000
Guinea	Conakry	705,000
Guinea-Bissau	Bissau	109,000
Kenya	Nairobi	2,143,000
	Mombasa	465,000
Lesotho	Maseru	138,000
Liberia	Monrovia	421,000

International comparability of population data is limited by varying census methods. Where metropolitan population is unavailable, core city population is shown.

**Estimated 2002 Population (in millions)**



Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs.

South Africa is the only African nation considered to have a developed economy, even though their GDP is less than half that of the United States.

Electricity Use

United States 12,407

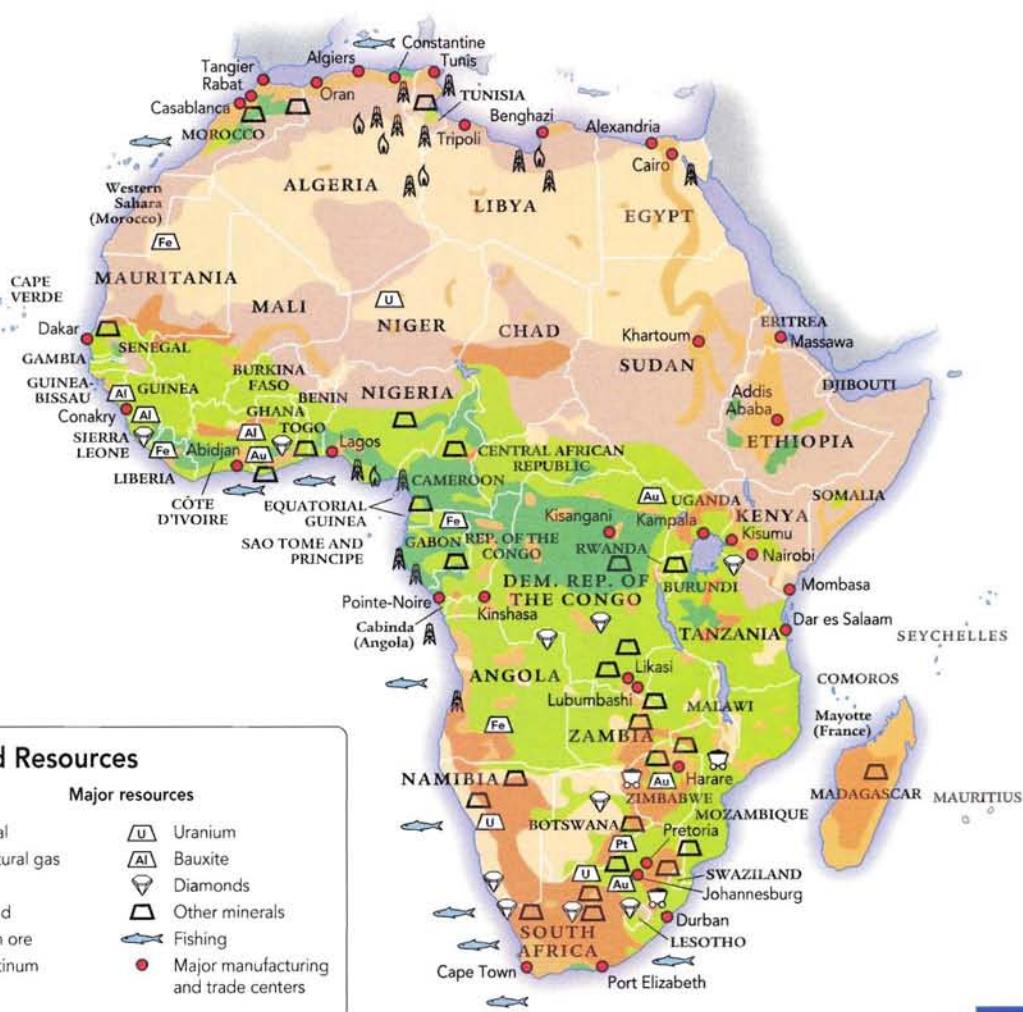


Agriculture supplies the livelihood for the vast majority of Africans. Agricultural exports include coffee, cocoa beans, peanuts, palm oil, and spices. These important export crops are mainly cultivated on plantations and large farms. Areas of subsistence farming supply the needs of local communities.

Unfortunately, poor soils and unfavorable climate conditions, as well as political unrest and unstable economies, all have an adverse impact on agricultural activity and therefore the standard of living.

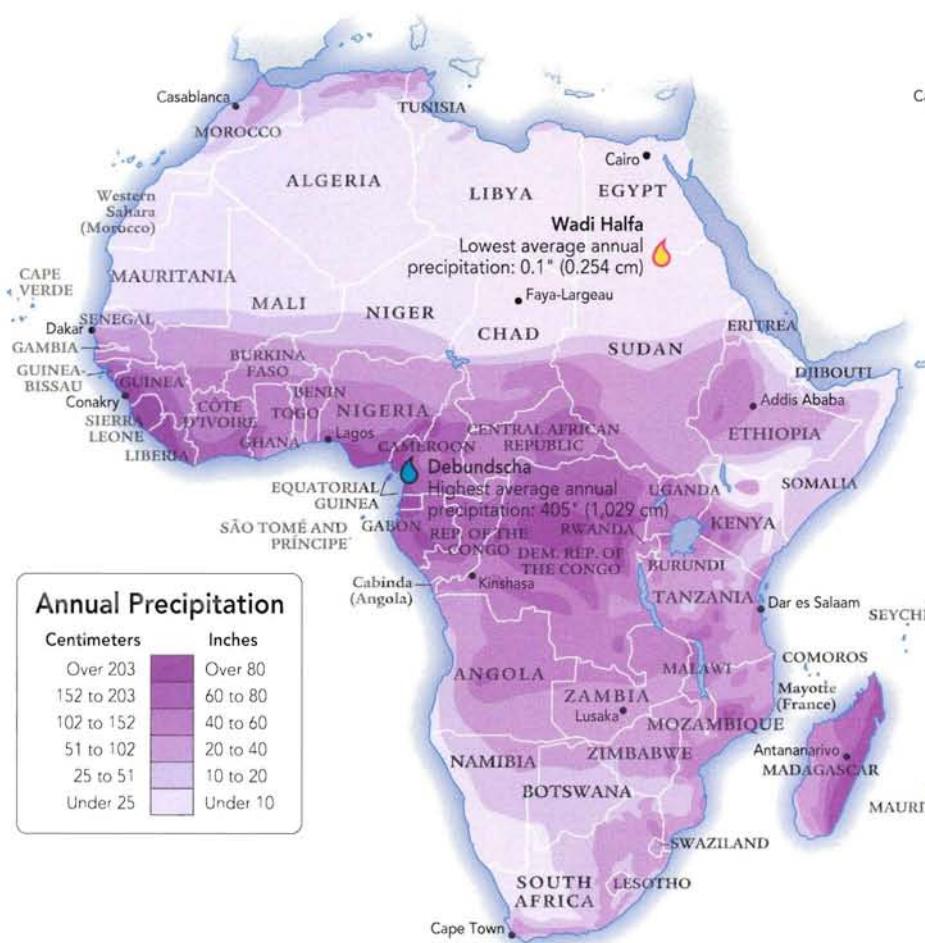
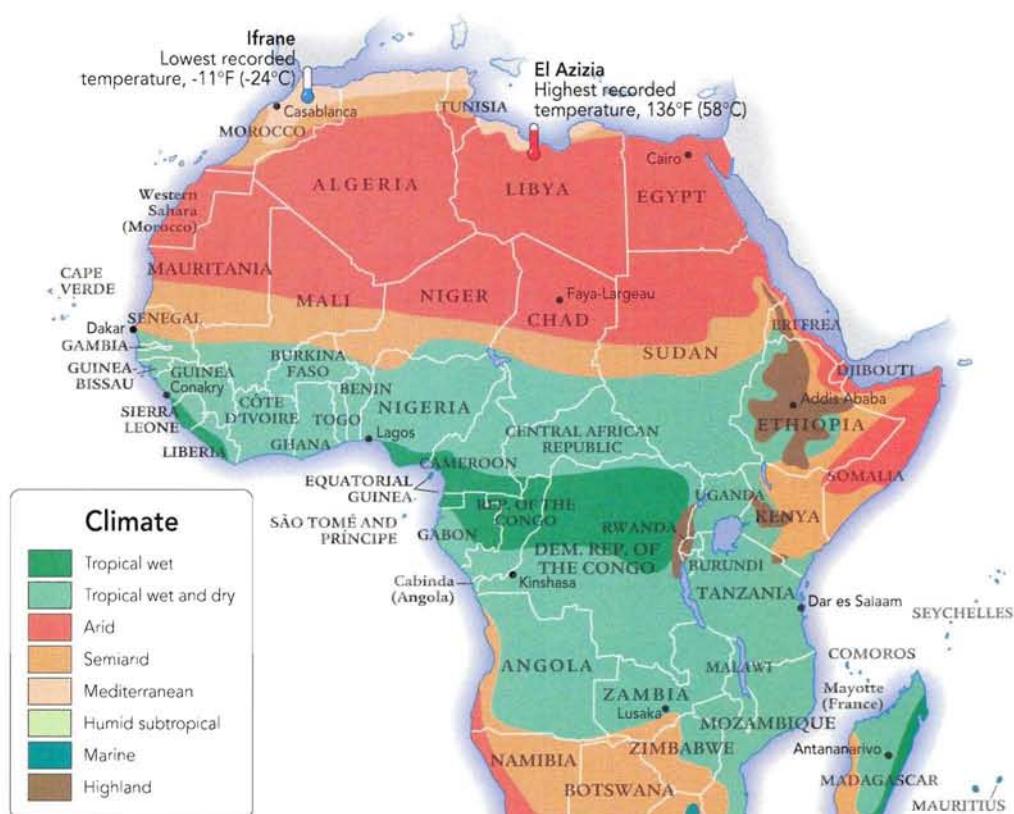
Minerals account for more than one half of Africa's exports. Oil, diamonds, gold, cobalt, and several other minerals are leading exports. However, important mineral deposits are limited to a handful of countries.

Manufacturing has been slow to develop on the continent. Lack of money and skilled labor are the main deterrents.

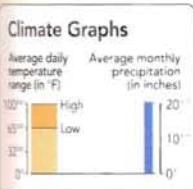


The climate of Africa is clearly a study in geographic contrasts. Perpetually wet and tropical areas surrounding the Equator quickly acquire seasonal variety as you move north and south. Roaming even farther leads to the vast, hot and arid zones of northern and southern Africa. The influence of neighboring water bodies is limited to small regions of northern Africa, namely Morocco, Algeria, and Libya, where the mild currents of the Mediterranean Sea temper the climate, and eastern South Africa, where the mixture of warm currents flowing close to shore and the seasonal onshore winds striking the Drakensberg uplands provide for a moist and temperate marine coast climate.

See photographs taken in different kinds of climates on pages 24–25.



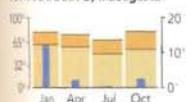
Africa's precipitation pattern is determined by its position on Earth's grid. Heavy precipitation near the Equator dwindles both to north, home of the immense Sahara, and to the south, realm of the Namib and Kalahari Deserts. Moist conditions exist on Madagascar as a result of the tropical influences of winds and currents from the Indian Ocean.



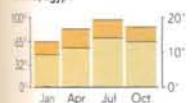
ADDIS ABABA, Ethiopia



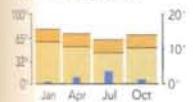
ANTANANARIVO, Madagascar



CAIRO, Egypt



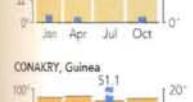
CAPETOWN, South Africa



CASABLANCA, Morocco



CONAKRY, Guinea



DAKAR, Senegal



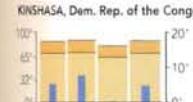
DAR ES SALAAM, Tanzania



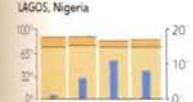
FAYA-LARGEAU, Chad



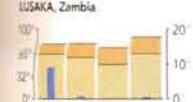
KINSHASA, Dem. Rep. of the Congo



LAGOS, Nigeria

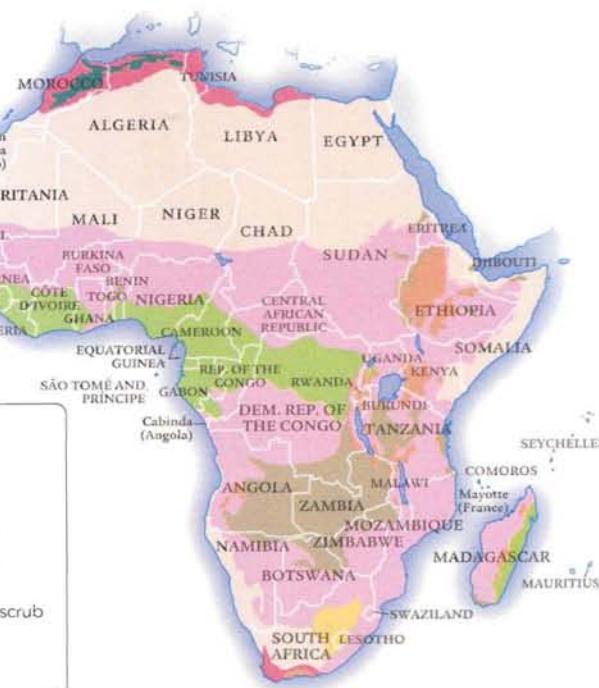


LUSAKA, Zambia



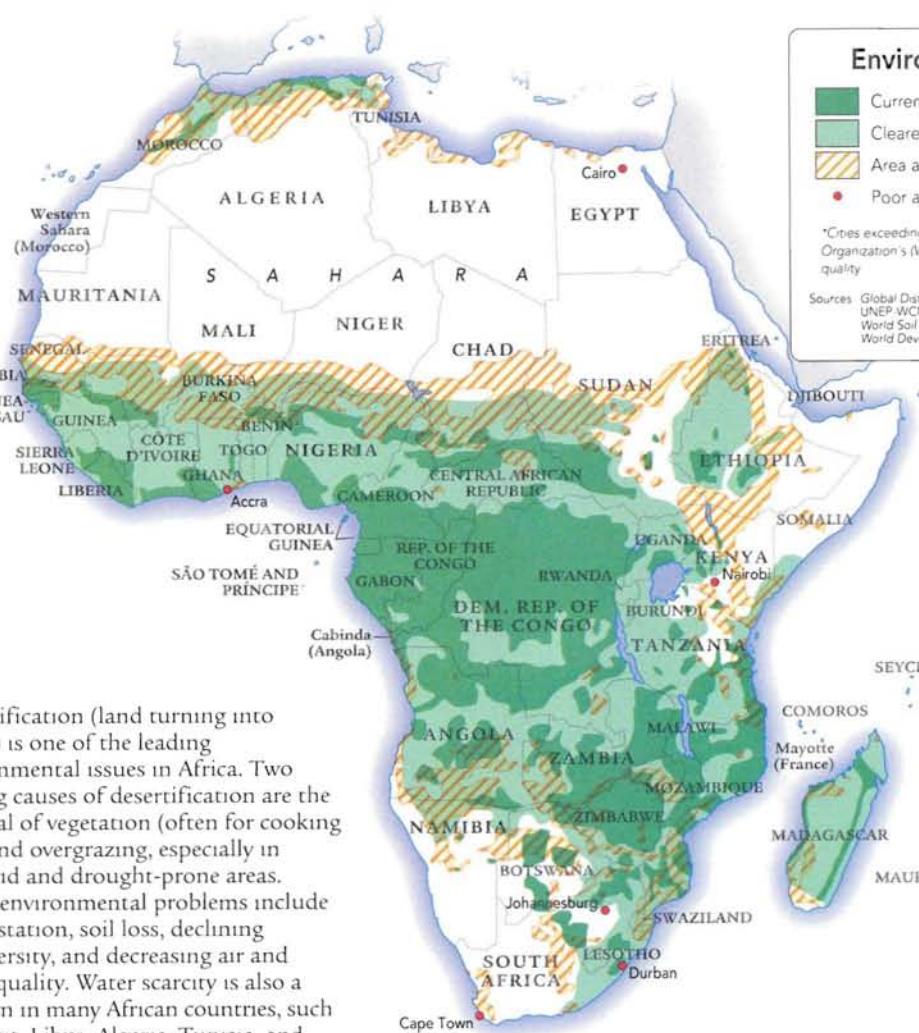
The dense, tropical rain forest surrounding the Equator is offset by the contrastingly sparse vegetation on the rest of the continent. Vast areas consist of grassland and scrub vegetation with trees only occasionally dotting the landscape. Evergreen and mixed forests of more temperate climates are limited to the Mediterranean areas of Morocco and Algeria, the Ethiopian Highlands, and Kenya.

See photographs of the different kinds of vegetation on pages 26–27



Vegetation

- Coniferous forest
- Mixed forest
- Midlatitude scrubland
- Midlatitude grassland
- Desert
- Tropical seasonal and scrub
- Tropical rain forest
- Tropical savanna



Environmental Issues

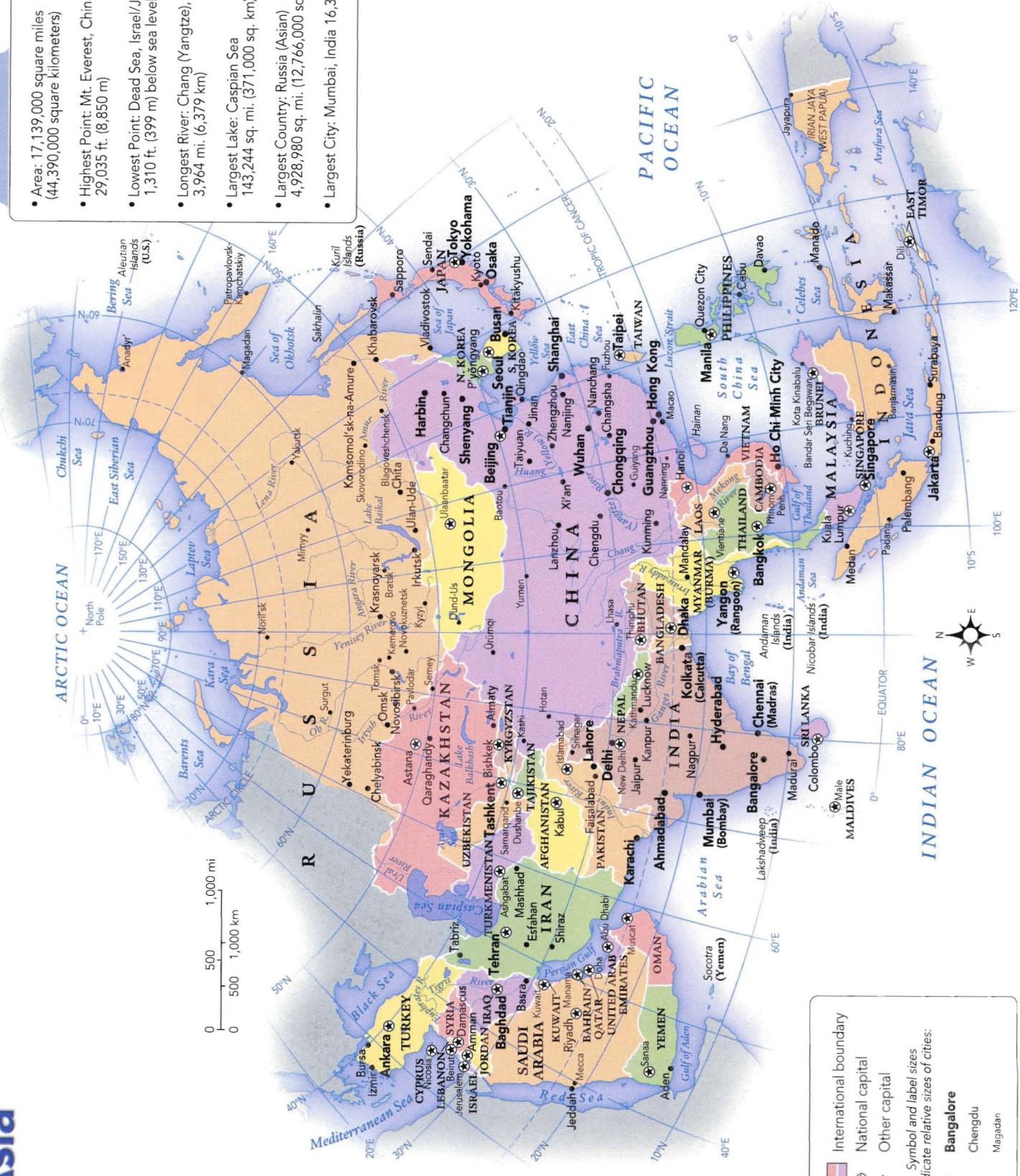
- Current forest
 - Cleared forest
 - Area at highest risk of desertification
 - Poor air quality*
- *Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP-WCMC, 2002
World Soil Resources Map Index, USDA/NRCS, 2002
World Development Indicators: World Bank, 1999

Desertification (land turning into desert) is one of the leading environmental issues in Africa. Two leading causes of desertification are the removal of vegetation (often for cooking fuel) and overgrazing, especially in semiarid and drought-prone areas. Other environmental problems include deforestation, soil loss, declining biodiversity, and decreasing air and water quality. Water scarcity is also a concern in many African countries, such as Egypt, Libya, Algeria, Tunisia, and Morocco.

Facts

- Area: 17,139,000 square miles (44,390,000 square kilometers)
- Highest Point: Mt. Everest, China/Nepal 29,035 ft. (8,850 m)
- Lowest Point: Dead Sea, Israel/Jordan 1,310 ft. (399 m) below sea level
- Longest River: Chang (Yangtze), China 3,964 mi. (6,379 km)
- Largest Lake: Caspian Sea 143,244 sq. mi. (371,000 sq. km)
- Largest Country: Russia (Asian) 4,928,980 sq. mi. (12,766,000 sq. km)
- Largest City: Mumbai, India 16,368,000





Major Metropolitan Areas

Afghanistan Kabul 2,029,000

Bahrain Manama 151,000

Bangladesh Dhaka 6,487,000

Bhutan Thimphu 8,900

Brunei Bandar Seri Begawan 50,000

Cambodia Phnom Penh 1,000,000

China
 Shanghai 12,910,000
 Beijing 10,820,000
 Tianjin 8,970,000
 Hong Kong 6,708,000
 Shenyang 4,740,000
 Wuhan 4,450,000
 Chongqing 4,070,000
 Guangzhou 3,910,000
 Chengdu 3,120,000
 Xi'an 2,990,000
 Harbin 2,960,000
 Nanjing 2,670,000

Cyprus Nicosia 273,000

East Timor Dili 140,000

India
 Mumbai (Bombay) 16,368,000
 Kolkata (Calcutta) 13,217,000
 Delhi 12,791,000
 Chennai (Madras) 6,425,000
 Bangalore 5,687,000
 Hyderabad 5,534,000

Indonesia
 Jakarta 9,374,000
 Bandung 5,919,000
 Bogor 5,000,000
 Malang 3,174,000

Iran
 Tehran 6,759,000
 Mashhad 1,887,000

Iraq
 Baghdad 4,336,000

Israel
 Tel Aviv-Jaffa 2,595,000
 Jerusalem 628,000

Japan
 Tokyo 12,059,000
 Yokohama 3,427,000
 Osaka 2,599,000
 Nagoya 2,171,000
 Sapporo 1,822,000
 Kobe 1,494,000
 Kyoto 1,468,000
 Fukuoka 1,341,000
 Kawasaki 1,250,000
 Hiroshima 1,126,000

Jordan
 Amman 1,147,000

Kazakhstan
 Almaty 1,129,000

North Korea
 Pyongyang 2,741,000

South Korea (core city only)
 Seoul 9,854,000
 Busan 3,655,000
 Daegu 2,474,000

Kuwait
 Kuwait 193,000

Kyrgyzstan
 Bishkek 753,000

Population

Persons per sq. mile

Over 520

260 to 519

130 to 259

25 to 129

1 to 24

0

Persons per sq. km

Over 200

100 to 199

50 to 99

10 to 49

1 to 9

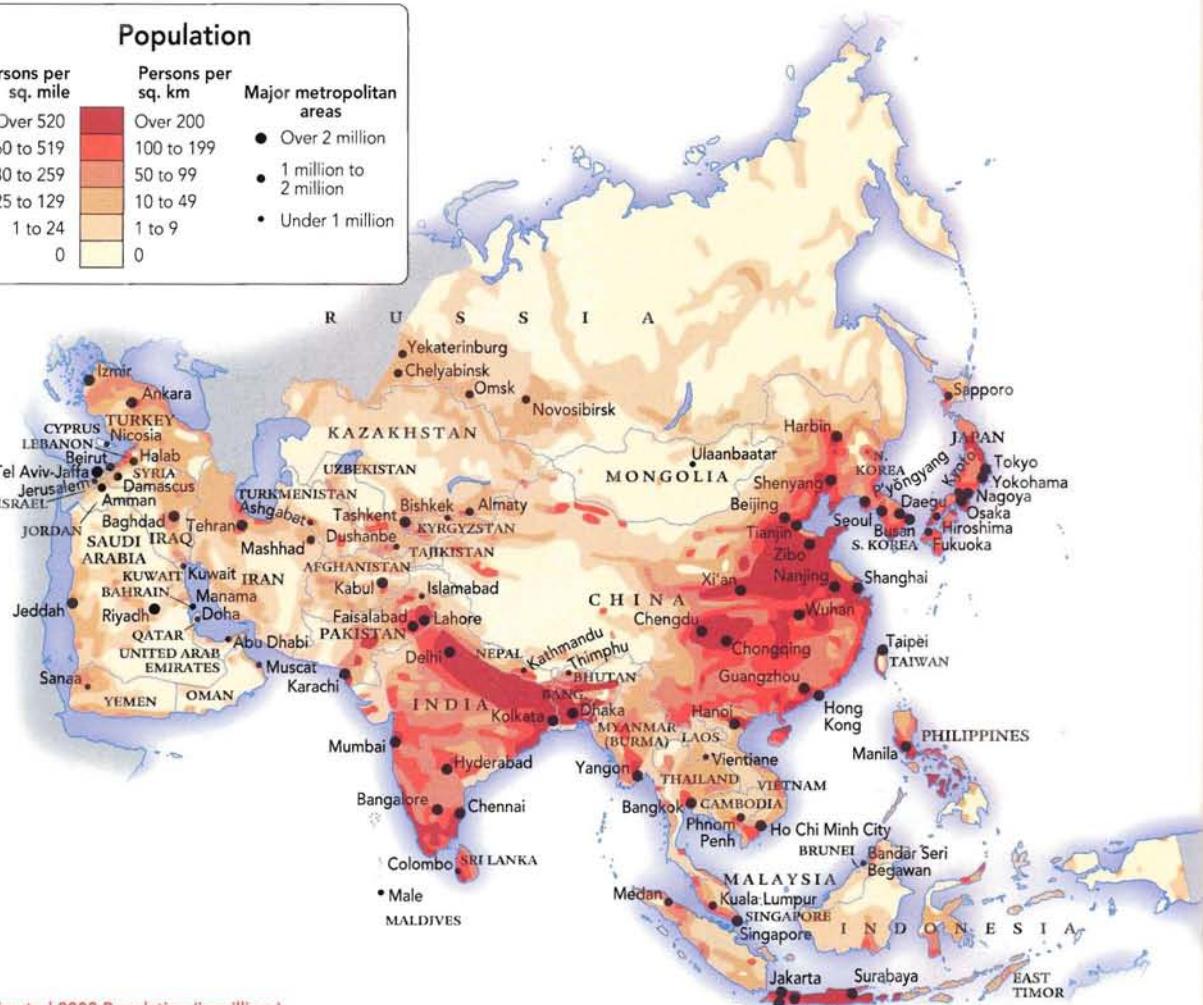
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Major metropolitan areas

● Over 2 million

● 1 million to 2 million

● Under 1 million

**Estimated 2002 Population (in millions)**

Source: U.S. Census Bureau

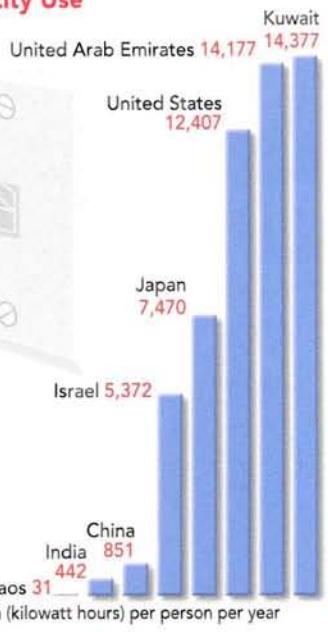


Kazakhstan	Almaty	1,129,000	Laos	Vientiane	331,000	Myanmar (Burma)	Yangon (Rangoon)	4,101,000	Philippines	Manila	9,933,000	Singapore	Singapore	4,131,000	Thailand	Bangkok	6,320,000	Uzbekistan	Tashkent	2,142,000
North Korea	Pyongyang	2,741,000	Lebanon	Beirut	1,500,000	Nepal	Kathmandu	421,000	Qatar	Doha	264,000	Sri Lanka	Colombo	642,000	Turkey (Asian)	Ankara Izmir	3,203,000 2,232,000	Vietnam	Ho Chi Minh City Hanoi	4,990,000 2,464,000
South Korea (core city only)	Seoul	9,854,000	Malaysia	Kuala Lumpur	1,379,000	Oman	Muscat	477,000	Russia (Asian)	Novosibirsk	1,400,000	Syria	Halab (Aleppo) Damascus	1,813,000 1,394,000	Turkmenistan	Ashgabat	407,000	Yemen	Sanaa	927,000
	Busan	3,655,000								Yekaterinburg	1,314,000									
	Daegu	2,474,000								Omsk	1,177,000									
Kuwait	Kuwait	193,000	Maldives	Male	74,000	Pakistan	Karachi	9,339,000				Taiwan	Taipei	2,720,000	United Arab Emirates	Abu Dhabi	904,000	International comparability of population data is limited by varying census methods. Where metropolitan population is unavailable, core city population is shown.		
Kyrgyzstan	Bishkek	753,000					Lahore	5,143,000												
							Faisalabad	2,009,000												
							Islamabad	529,000												

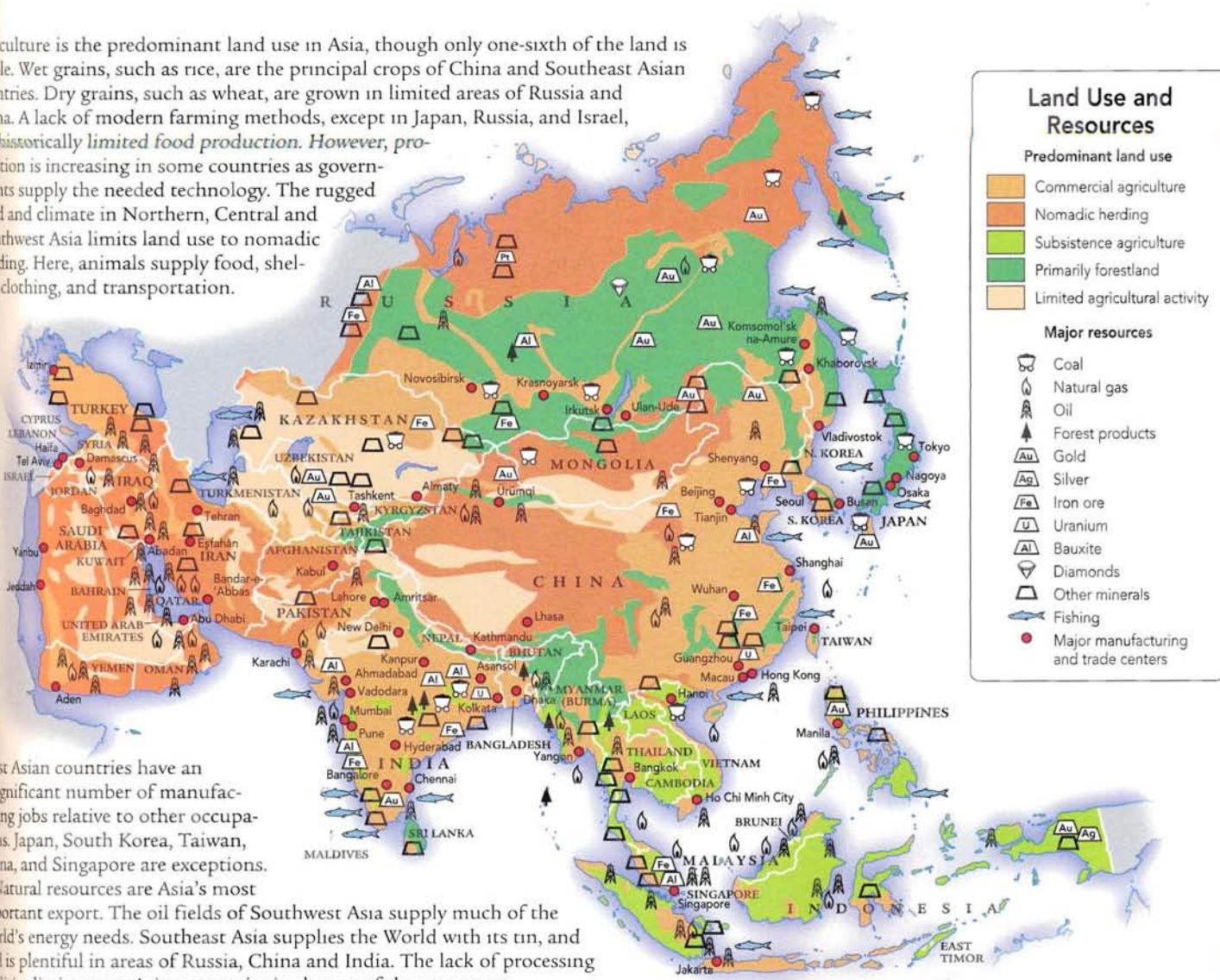
Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs. The high-tech and oil producing countries on the fringes of Asia are the exceptions in this generally poor continent.



Electricity Use



Agriculture is the predominant land use in Asia, though only one-sixth of the land is arable. Wet grains, such as rice, are the principal crops of China and Southeast Asian countries. Dry grains, such as wheat, are grown in limited areas of Russia and China. A lack of modern farming methods, except in Japan, Russia, and Israel, has historically limited food production. However, production is increasing in some countries as governments supply the needed technology. The rugged land and climate in Northern, Central and Southwest Asia limits land use to nomadic herding. Here, animals supply food, shelter, clothing, and transportation.



Most Asian countries have an insignificant number of manufacturing jobs relative to other occupations. Japan, South Korea, Taiwan, China, and Singapore are exceptions.

Natural resources are Asia's most important export. The oil fields of Southwest Asia supply much of the World's energy needs. Southeast Asia supplies the World with its tin, and coal is plentiful in areas of Russia, China and India. The lack of processing facilities limits many Asian countries in the use of their resources.

Asia has many climates. This can be expected on a landmass that covers an area from below the Equator to the Arctic Ocean and from the Mediterranean Sea to the Pacific Ocean. Weather conditions fluctuate from the sub-freezing temperatures and snow of the tundra climate in Northern Russia, through the more temperate humid continental climate, past the arid conditions of Southwest and Central Asia, and finally to the warm and wet zones of South and Southeast Asia.

See photographs taken in different kinds of climates on pages 24–25.

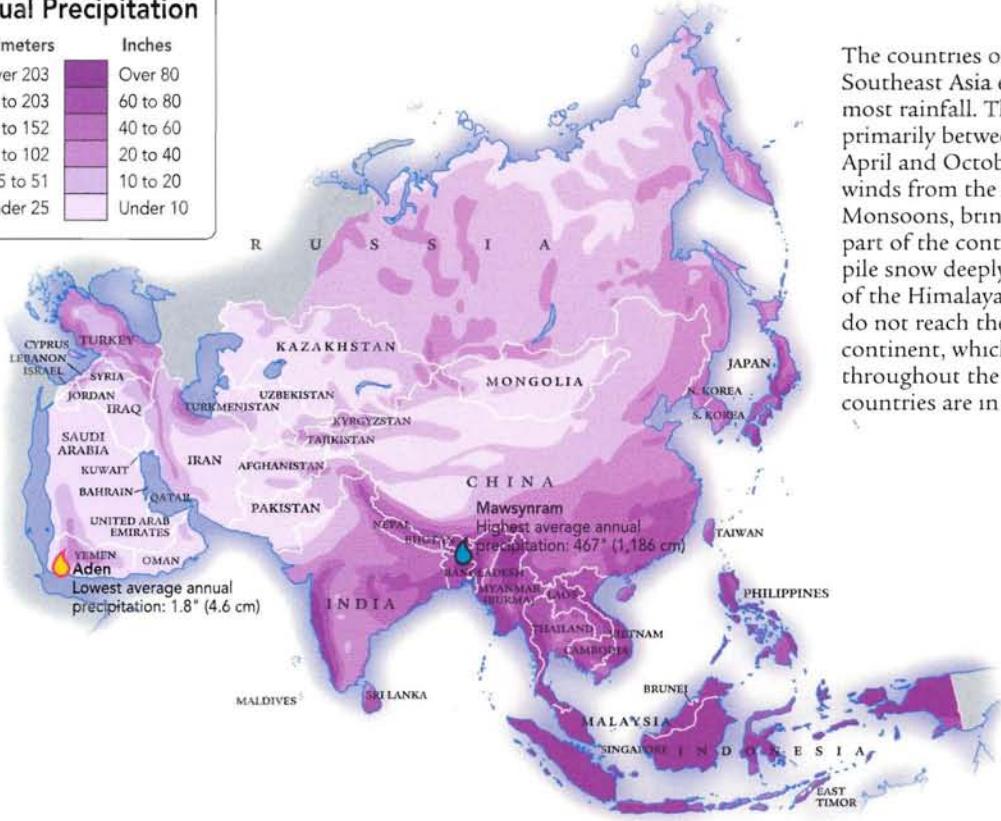


Climate

Tropical wet	Humid subtropical
Tropical wet and dry	Humid continental
Arid	Subarctic
Semiarid	Tundra
Mediterranean	Highland

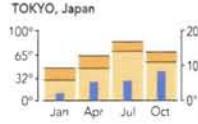
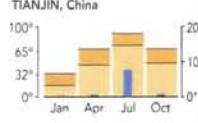
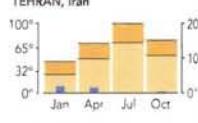
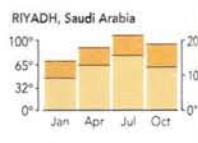
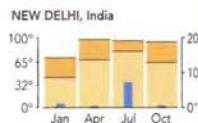
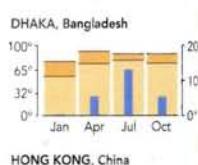
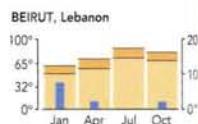
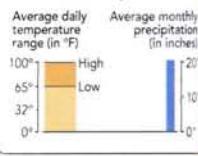
Annual Precipitation

Centimeters	Inches
Over 203	Over 80
152 to 203	60 to 80
102 to 152	40 to 60
51 to 102	20 to 40
25 to 51	10 to 20
Under 25	Under 10



The countries of South and Southeast Asia experience the most rainfall. This rainfall occurs primarily between the months of April and October. Warm, moist winds from the south, called Monsoons, bring the rain to this part of the continent and also pile snow deeply upon the peaks of the Himalayas. The Monsoons do not reach the interior of the continent, which remains dry throughout the year. The driest countries are in the southwest.

Climate Graphs



Vegetation

- Unclassified highlands or ice cap
- Tundra and alpine tundra
- Coniferous forest
- Midlatitude deciduous forest
- Subtropical broadleaf evergreen forest
- Mixed forest
- Midlatitude scrub
- Midlatitude grassland
- Desert
- Tropical seasonal and scrub
- Tropical rain forest
- Tropical savanna



Environmental Issues

- Current forest
- Cleared forest
- Area at highest risk of desertification
- Areas most affected by acid rain
- Poor air quality*

*Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP-WCMC, 2002
World Soil Resources Map Index, USDA/NRCS, 2002
World Development Indicators, World Bank, 1999



The continent's vegetation is as varied as its climate, ranging from the lush tropical vegetation of the South, Southeast, and East Asian countries to the sparse vegetation of Russia's vast arctic tundra.

See photographs of the different kinds of vegetation on pages 26–27.

Asia's high population densities have led to a multitude of environmental problems, including pollution, deforestation, overfishing, and water shortages. With rapid population growth, pressures on land and water resources will only continue to increase. In western Asia, desertification and groundwater issues are the most pressing concerns. Most land in the region is either currently desert or is vulnerable to becoming desert in the future, and water is being withdrawn more quickly than it can be replaced.

Australia/
Oceania

North America

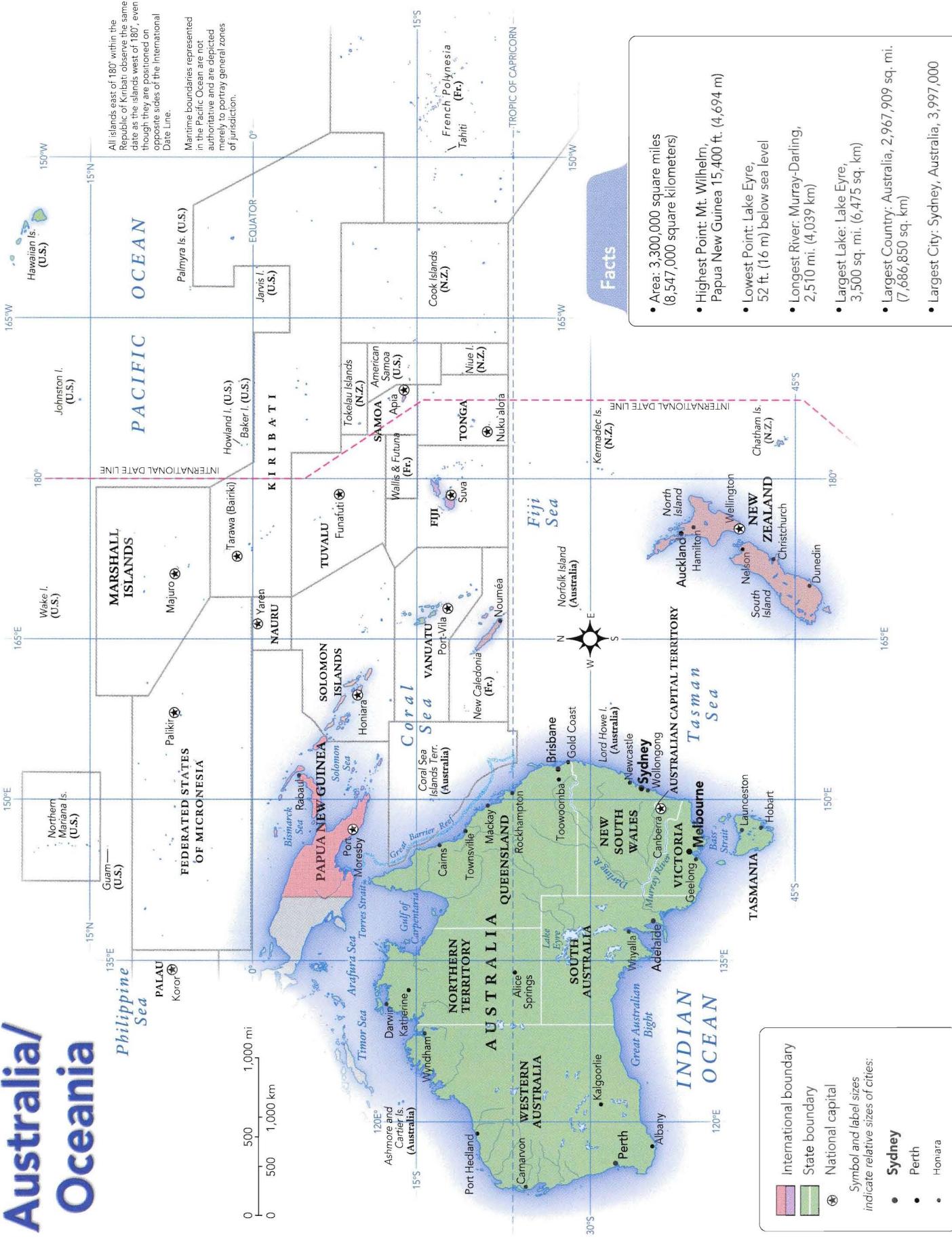
The United States

Canada

Mexico

South America

Europe



Major Metropolitan Areas

Australia

Sydney	3,997,000
Melbourne	3,367,000
Brisbane	1,628,000
Perth	1,340,000
Adelaide	1,073,000
Newcastle	471,000
Gold Coast (Southport)	397,000
Canberra	312,000

Fiji

Suva	167,000
Lautoka	29,000

Kiribati

Tarawa (Bairiki)	25,000
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Marshall Islands

Majuro	18,000
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Micronesia

Weno	15,000
Colonia	3,000

Nauru

Yaren	4,000
-------	-------

New Zealand

Auckland	1,075,000
Wellington	340,000
Christchurch	334,000

Palau

Koror	13,000
-------	--------

Papua New Guinea

Port Moresby	332,000
Lae	81,000
Madang	27,000
Wewak	23,000

Samoa

Apia	34,000
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Solomon Islands

Honiara	61,000
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Tonga

Nuku'alofa	30,000
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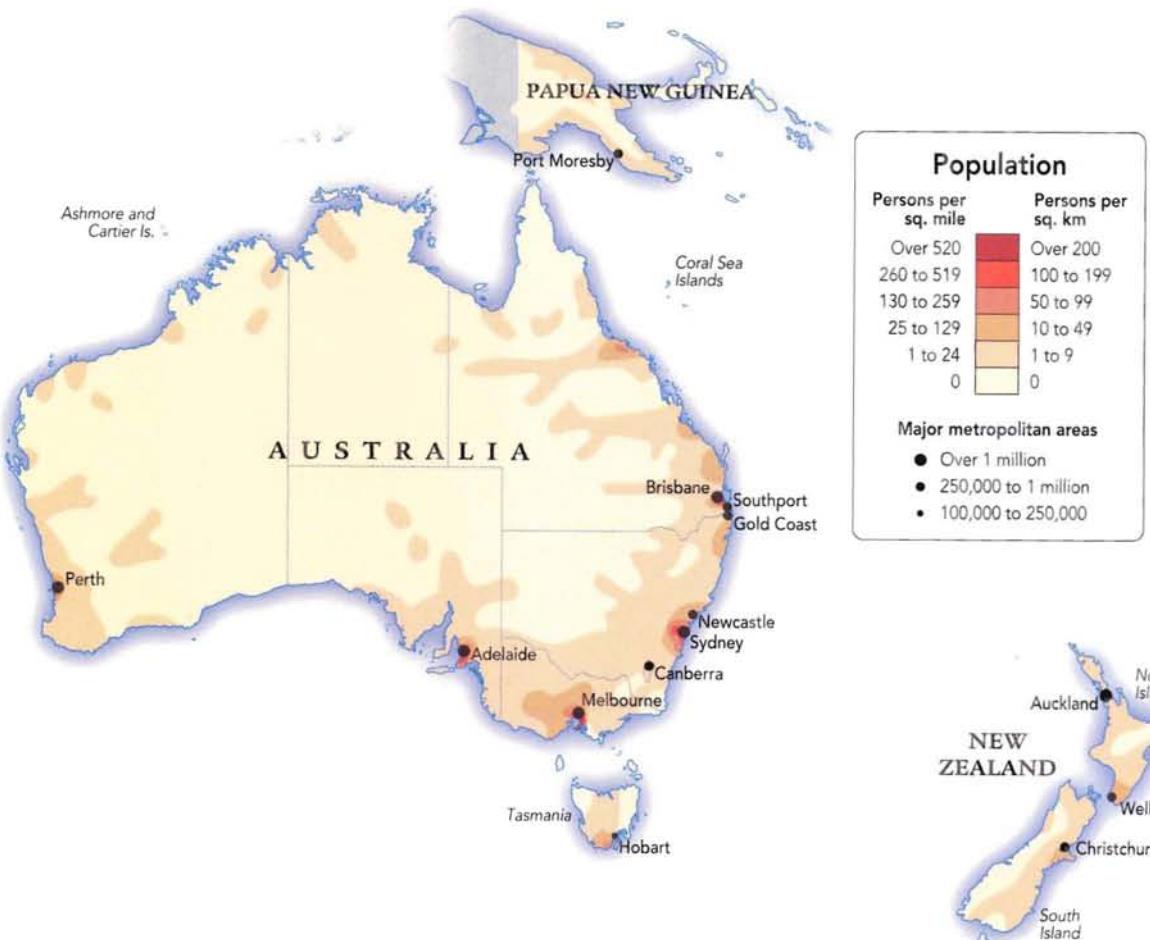
Tuvalu

Funafuti	4,000
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Vanuatu

Port-Vila	30,000
-----------	--------

International comparability of population data is limited by varying census methods. Where metropolitan population is unavailable, core city population is shown.



Estimated 2002 Population (in millions)

Australia	20
Papua New Guinea	5
New Zealand	4
All other countries	2

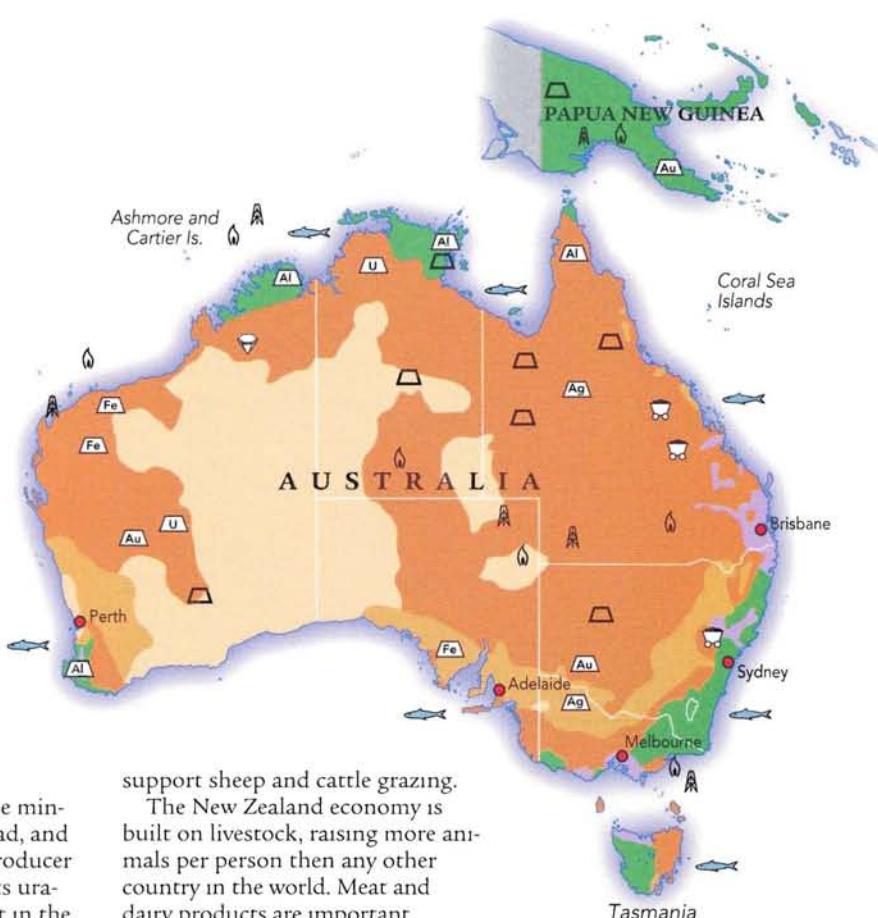
Source: U.S. Census Bureau





Gross Domestic Product is a measure of the total goods and services generated by a country. Generally, manufacturing, high-tech services, and specialized agricultural products add more value than raw materials and basic food stuffs.

Australia derives its wealth and high standard of living from service industries and mineral extraction and processing. New Zealand's economy is oriented towards the export of animal products. Papua New Guinea's subsistence economy generates little excess wealth.

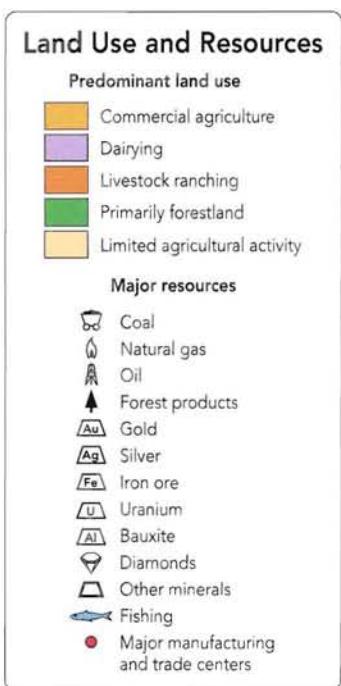


Australia is rich in mineral resources. It ranks first in the mining of bauxite, diamonds, lead, and zinc while being a leading producer of coal, gold, and iron ore. Its uranium deposits are the largest in the world, though largely undeveloped. Modern methods of farming and irrigation allow a very limited area of commercial agriculture to be highly productive. Despite arid conditions, vast areas of the interior

support sheep and cattle grazing.

The New Zealand economy is built on livestock, raising more animals per person than any other country in the world. Meat and dairy products are important exports.

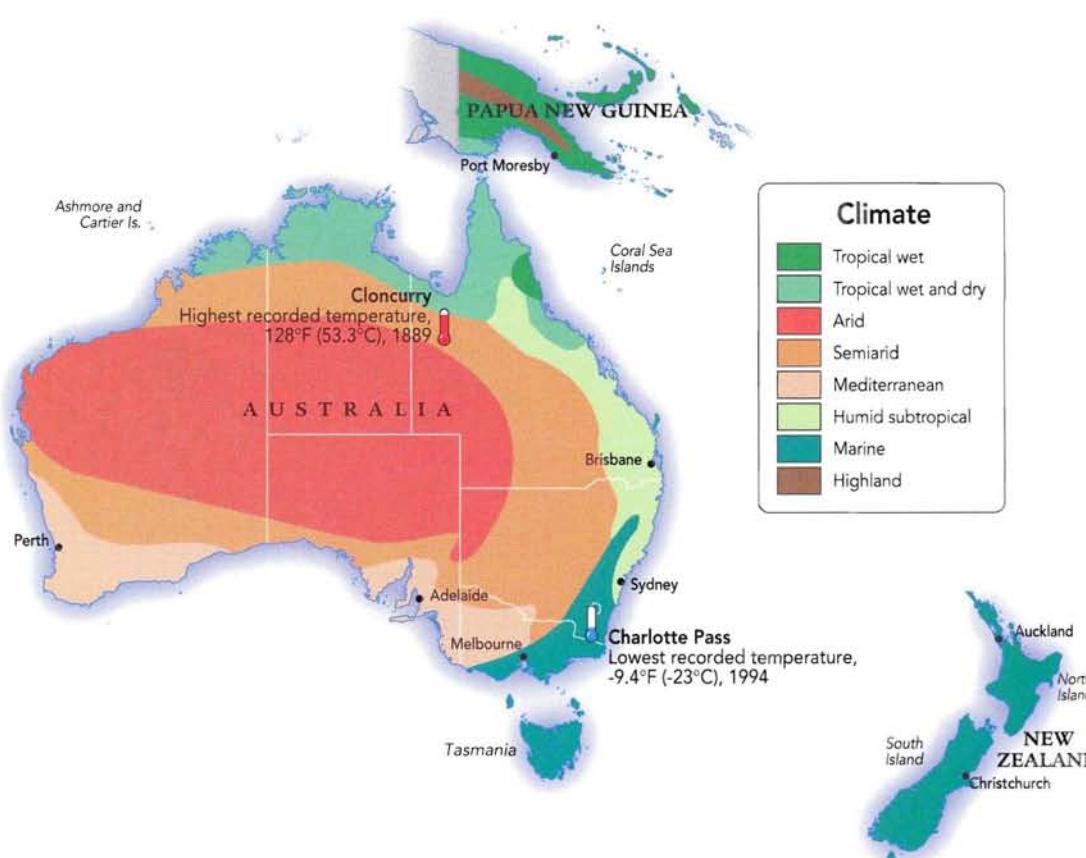
The economies of Papua New Guinea and the other island nations in the region rely primarily on subsistence agriculture and tourism.



Australia's climate is predominately warm and dry. The northern half of the country lies within the tropics and has very warm conditions year round. The southern half of the country lies below the tropics and experiences a warm summer and a cool winter.

New Zealand's climate is like that of the U.S. Pacific Northwest—mild and moist. Papua New Guinea and other island nations surrounding the equator have climates that are mainly very warm and moist year round.

See photographs taken in different kinds of climates on pages 24–25.

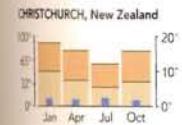
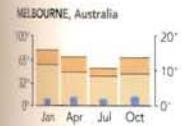
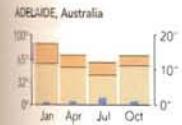
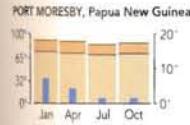
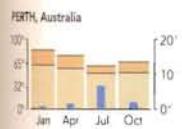
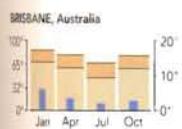
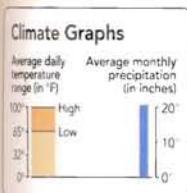


Annual Precipitation

Centimeters	Inches
Over 200	Over 80
150 to 200	60 to 80
100 to 150	40 to 60
50 to 100	20 to 40
25 to 50	10 to 20
Under 25	Under 10



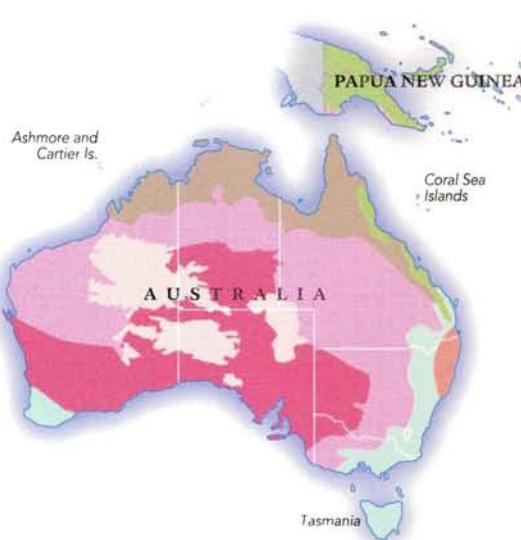
While Papua New Guinea and other island nations within the tropics receive plentiful and reliable rainfall, rain can be a problem in Australia—typically a case of feast or famine or bad timing. Westerly winds off of the Tasman Sea deposit precipitation on the mountain ranges of New Zealand, often in the form of snow that can be seen on some peaks year round.



Abundant Australian forestlands are limited to relatively narrow coastal regions where moisture, even if seasonal, is adequate. Most of the rest of the continent is covered by species of trees, bush, and grasses adapted to arid conditions. Eucalyptus are the most common trees in Australia.

Papua New Guinea has dense tropical rain forests, and New Zealand has mixed forests and grasslands arising from its temperate climate.

See photographs of different kinds of vegetation on pages 26–27.



Biodiversity loss (a decrease in the variety of life forms and ecosystems) is a leading environmental problem in both Australia and New Zealand. Over the past two hundred years, vast areas have been cleared for settlements and farmland. This land clearing, along with the introduction of non-native plant and animal species, has permanently altered the ecological balance. In New Zealand, it is estimated that eighty-five percent of the original lowland forests and wetlands have been lost due to human influences. Desertification, often brought on by overgrazing, is another serious environmental threat in many parts of Australia.

Environmental Issues

- Current forest
- Cleared forest
- Area at highest risk of desertification
- Poor air quality*

*Cities exceeding at least one of the World Health Organization's (WHO) annual mean guidelines for air quality

Sources: Global Distribution of Original and Remaining Forests, UNEP-WCMC, 2002
World Soil Resources Map Index, USDA/NRCS, 2002
World Development Indicators, World Bank, 1999



Index

A

Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude
Antigua and Barbuda, country	18°0'N	61°0'W	Baltimore, MD.	39°17'N	76°37'W	Baltic Sea, sea	55°0'N	17°0'E	Bosnia and Herzegovina, country	44°0'N	19°0'E	Catania, Italy	37°30'N	15°15'E
Antofagasta, Chile.	23°39'N	70°19'W	Bamako, Mali	12°39'N	7°59'W	Bosphorus, strait	41°0'N	29°0'W	Catoche, C, cape	22°00'N	8°30'E			
Antsiranana, Madagascar	12°18'N	49°18'E	Bandar Seri Begawan, Brunei	5°45'N	20°40'E	Boston, MA	42°21'N	71°04'W	Cauca, river	5°00'N	77°30'E			
Antwerp, Belgium	51°13'N	4°25'E	Bandar Seri Begawan, Brunei	4°54'N	114°57'E	Boston Mts., mountains	36°0'N	93°0'W	Caucasus Mts., mountains	43°00'N	45°30'E			
Apalachola, river	30°0'N	85°0'W	Banda Sea, sea	6°0'N	126°0'E	Bothma, G, of, gulf	63°0'N	20°0'E	Cayenne, French Guiana	4°56'N	52°30'E			
Apennines, mountains	43°0'N	13°0'E	Banderas Bay, bay	21°0'N	106°0'W	Bouaké, Côte d'Ivoire	74°2'N	5°02'W	Cayman Is., dependency	19°00'N	85°0'E			
Apia, Samoa	13°52'S	171°47'W	Bandundu,		Bour, Cen. Afr. Rep.	5°55'N	15°36'E	Cayman Is., islands	19°00'N	85°0'E				
Appalachian Mts., mountains	24°27'N	54°23'E	Dem. Rep. of Congo	3°20'N	17°23'E	Bougainville I., island	6°0'N	155°0'E	Cedar, river	10°00'N	95°0'E			
Abuja, Nigeria	9°0'N	79°12'E	Agaba, G, of, gulf	29°0'N	25°0'E	Bow, river	52°0'N	114°0'W	Cedar Rapids, IA	42°42'N	90°0'E			
Acámbaro, Mexico	20°02'N	100°44'W	Arabian Pen., peninsula	23°0'N	46°0'E	Brahmaputra, river	29°0'N	88°0'W	Cedros I., island	28°00'N	115°0'E			
Acapóetla, Mexico	22°30'N	105°22'W	Arabian Sea, sea	15°0'N	65°0'E	Brandon, Canada	49°48'N	99°57'W	Celaya, Mexico	20°30'N	105°0'E			
Acapulco, Mexico .	16°55'N	99°56'W	Aracaju, Brazil	10°37'S	37°04'W	Bogotá, Colombia	15°47'N	47°56'W	Celebes Sea, sea	4°00'N	125°0'E			
Accra, Ghana	0°13'N		Aracura, Sea, sea	7°0'N	135°0'E	Bratislava, Slovakia	48°09'N	17°02'E	Central African Rep., country	10°20'N	101°40'E			
Aconcagua, Mt., peak	33°00'S	70°00'W	Aradufa, Sea, sea	14°0'S	51°00'W	Bratisk, Russia	56°20'N	101°40'E	Central African Rep., plateau	13°00'N	77°30'E			
Adamawa Mts., mountains	8°0'N	11°00'E	Araguaia, river	45°0'N	60°0'E	Braz, country	5°00'N	48°0'W	Central America, region	13°00'N	85°0'E			
Adare, C, cape	72°00'N	170°00'E	Araxa, Sea, lake	45°0'N	60°0'E	Brazilian Highlands, highlands	15°0'N	46°0'W	Central Lowland, plain	4°40'N	90°0'E			
Addis Ababa, Ethiopia	9°0'N	38°44'E	Ararat, Mt., peak	39°42'N	44°18'E	Bandung, Indonesia	6°54'S	107°36'E	Central Range, mountains	55°00'N	185°0'E			
Adelaide, Australia	34°55'S	138°33'E	Arctic Bay, Canada	73°02'N	85°0'W	Banjul, Gambia	13°24'N	16°37'W	Central Russian Upland, plateau	6°00'N	53°00'E			
Aden, Yemen	16°24'N	45°01'E	Arctic Ocean, ocean	75°0'N	103°0'W	Banjul, Gambia	74°15'N	115°31'W	Central Siberian Plat., plateau	53°00'N	105°0'E			
Aden, G, of, gulf	14°00'N	49°00'E	Arequipa, Peru	16°24'S	71°33'W	Baotou, China	40°35'N	110°0'E	Central Val., valley	37°00'N	105°0'E			
Adirondack Mts., mountains	45° 43'N	75°00'W	Argentina, country	38°0'N	65°0'W	Barbados, country	13°0'N	59°0'W	Cerro Largo, Uruguay	34°00'N	70°0'E			
Admiralty Is., islands	2°00'N	147°00'E	Argyle, lake	103°0'N	120°0'E	Barcelona, Spain	41°23'N	2°11'E	Chad, country	17°00'N	17°00'E			
Adriatic Sea, sea	45° 43'N	15°00'E	Arhus, Denmark	56°0'N	10°13'E	Barents Sea, sea	69°0'N	40°0'E	Charlito, C, cape	14°00'N	120°0'E			
Aegean Sea, sea	39°0'N	25°00'E	Arica, Chile	18°31'S	70°16'W	Barkly Tableland, plateau	17°0'N	137°0'E	Chile, country	13°00'N	70°0'E			
Afghanistan, country	35°0'N	65°0'E	Arkansas, river	34°0'N	113°0'W	Barquisimeto, Venezuela	10°06'N	69°18'W	Chile, islands	14°00'N	70°0'E			
Africa, continent	0°0'N	20°00'E	Arkansas, state, U.S.	38°0'N	103°0'W	Barrocas, Colombia	7°04'N	73°11'W	Chilean, region	45°00'N	70°0'E			
Agadez, Niger	17°00'N	7°59'E	Ascension, island	61°05'N	94°07'W	Barranca, Colombia	10°58'N	74°48'W	Chimborazo, Ecuador	14°00'N	70°0'E			
Agadir, Morocco	30°25'N	9°35'W	Armenia, Colombia	41°0'N	44°0'W	Barrapu, cape	24°23'N	79°42'W	Chingaza, Colombia	4°00'N	70°0'E			
Aguas Calientes, Mexico	21°53'N	102°17'W	Armenia, country	41°00'N	15°00'W	Barnie, Canada	42°23'N	90°0'W	Chongming, China	31°00'N	112°0'E			
Aguascalientes, state, Mex	22°00'N	103°0'W	Armenian Land, region	14°0'N	132°0'W	Barrow, AK	71°17'N	156°47'W	Chongming, China	31°00'N	112°0'E			
Aguilas, C, cape	35°0'N	20°00'E	Aruba, country	12°30'N	69°58'W	Barrow, I., island	21°0'N	115°0'W	Chubut, Argentina	47°00'N	89°0'W			
Ahangar Mts., mountains	23°00'N	5°00'E	Aruba, island	12°30'N	69°58'W	Barrow, Pt., cape	71°0'N	157°0'W	Chubut, Argentina	48°00'N	89°0'W			
Ahmadabad, India	23°00'N	72°35'E	Arusha, Tanzania	3°22'S	36°42'E	Barry, Iraq	30°29'N	47°48'E	Chubut, Argentina	49°00'N	89°0'W			
Ait Mts., mountains	18°0'N	8°00'E	Asmara, Eritrea	15°0'N	38°55'W	Bass, strait	40°0'N	146°0'E	Chubut, Argentina	50°00'N	89°0'W			
Akamiski I., island	53°00'N	82°00'W	Asmara, Eritrea	16°0'N	39°0'W	Bathurst, Canada	47°36'N	65°40'W	Chubut, Argentina	51°00'N	89°0'W			
Akton, OH	41°05'N	81°21'W	Asos, L., dependency	11°0'N	40°0'W	Bathurst, C, cape	71°0'N	128°0'W	Chubut, Argentina	52°00'N	89°0'W			
Akureyri, Iceland	65°41'N	18°06'W	Asomere and Carter Is., dependency	12°0'N	123°0'W	Bathurst, I., island	11°0'N	130°0'W	Chubut, Argentina	53°00'N	89°0'W			
Alabamas, river	32°00'N	88°0'W	Aspinwall, C, cape	12°0'N	123°0'W	Bathurst, I., island	76°0'N	100°0'W	Chubut, Argentina	54°00'N	89°0'W			
Alabama, state, U.S.	31°30'N	87°0'W	Aswan, Egypt	24°0'N	35°25'W	Baton Rouge, LA	30°27'N	91°09'W	Chubut, Argentina	55°00'N	89°0'W			
Aland Is., islands	60°0'N	20°00'E	Aswun, Egypt	24°0'N	35°25'W	Bauru, Brazil	22°20'N	49°04'W	Chubut, Argentina	56°00'N	89°0'W			
Alaska, state, U.S.	66°0'N	155°0'W	Asyut, Egypt	27°11'N	31°05'E	Bavipha, river	31°00'N	109°0'W	Chubut, Argentina	57°00'N	89°0'W			
Alaska, G, of, gulf	58°0'N	148°0'W	Atacama Desert, desert	23°0'N	70°0'W	Belém, Brazil	12°25'S	48°23'E	Chubut, Argentina	58°00'N	89°0'W			
Alaska Range, mountains	64°0'N	150°0'W	Atar, Mauritania	20°31'N	13°0'W	Belfast, United Kingdom	54°36'N	5°56'W	Chubut, Argentina	59°00'N	89°0'W			
Albania, country	41°0'N	21°00'E	Atbara, Sudan	17°42'N	34°01'E	Beltany, County, Ireland	57°00'N	10°00'W	Chubut, Argentina	60°00'N	89°0'W			
Albany, Australia	32°45'N	117°54'E	Athabasca, river	57°50'N	111°00'W	Belize, Belize	18°0'N	89°0'W	Chubut, Argentina	61°00'N	89°0'W			
Albany, NY	42°39'N	73°45'W	Athabasca, I., lake	59°0'N	109°0'W	Belliste, Str., strait	53°0'N	35°30'E	Chubut, Argentina	62°00'N	89°0'W			
Albany, river	53°00'N	83°0'W	Athens, Greece	37°59'N	23°43'E	Bellingshausen Sea, sea	67°0'N	70°0'W	Chubut, Argentina	63°00'N	89°0'W			
Al Bayda, Libya	32°45'N	21°42'E	Atlantic Coastal Plain, plain	33°45'N	84°23'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	64°00'N	89°0'W			
Alberta, province, Can	58°0'N	115°0'W	Atlantic Ocean, ocean	35°0'N	78°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	65°00'N	89°0'W			
Albert L., lake	2°00'N	31°00'E	Atlas Mts., mountains	36°0'N	5°00'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	66°00'N	89°0'W			
Alboar Sea, sea	36°0'N	4°00'W	Atlas Mts., mountains	34°0'N	5°00'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	67°00'N	89°0'W			
Albuquerque, NM	35°05'N	106°39'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	68°00'N	89°0'W			
Aldean, river	57°00'N	130°0'E	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	69°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	70°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	71°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	72°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	73°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	74°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	75°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	76°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	77°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	78°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	79°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	80°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	81°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	82°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	83°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	84°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	85°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	86°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	87°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	88°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	89°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	90°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	91°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	92°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	93°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	94°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	95°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	96°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert, desert	23°0'N	70°0'W	Belo Horizonte, Brazil	19°54'N	43°53'W	Chubut, Argentina	97°00'N	89°0'W			
Aldean Is., islands	55°0'N	167°0'W	Atocama Desert,											

Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude
Gübara Mts., mountains	.75	51°00'N 119°00'W	Denakil, region	91	13°00'N 41°00'E	George, river.	75	57°00'N 77°00'W	Halifax Bay, bay	103	19°00'S 147°00'E			
Columbia Plat., plateau	.54	45°00'N 118°00'W	Denmark, country	84	56°00'N 10°00'E	Georgetown, Guyana	78	6°47'N 58°07'W	Hall Pen., peninsula	.75	65°00'N 66°00'W			
Columba, GA	.51	32°28'N 84°57'W	Denmark, Str., strait	45	65°00'N 31°00'W	Georgia, country	84	43°00'N 43°00'E	Hamburg, Germany	.84	53°33'N 10°01'E			
Columbus, OH	.51	39°58'N 83°00'W	Denver, CO	39	39°44'N 104°59'W	Georgia, state, U.S.	51	33°00'N 83°00'W	Hamersley Range,	.103	23°00'S 118°00'E			
Comisión, Mexico	.76	16°15'N 92°07'W	Dese, Ethiopia.	90	11°10'N 39°37'E	Germany, country	84	52°00'N 11°00'E	mountains	.74	43°16'N 79°51'W			
Condorito, Rivadavia, Argentina	.78	45°51'S 67°29'W	Des Mones, IA	51	41°36'N 93°37'W	Ghadames, Libya	90	30°08'N 93°00'E	Hamilton, Canada	.102	37°47'S 175°18'E			
Conimbriga, C., cape	.97	8°00'N 78°00'W	Desna, river	85	52°00'N 32°00'E	Ghaj�ar, Algeria	90	32°30'N 34°00'E	Hammerfest, Norway	.84	52°22'N 13°45'E			
Concordia, country	.90	12°00'N 43°00'E	Detroit, MI	51	42°20'N 83°03'W	Gibraltar, dependency, U.K.	84	37°00'N 5°00'W	Hanover, Germany	.96	21°02'N 105°49'E			
Concepción, Is., islands	.91	11°00'S 43°00'E	Devon I., island	75	76°00'N 85°00'W	Gibraltar, Str. of, strait	85	36°00'N 6°00'W	Happy Valley-Goose Bay, Canada	.74	53°20'N 60°23'W			
Concepción, Guiney	.90	9°31'N 134°24'W	Dhaka, Bangladesh	96	23°43'N 90°26'E	Gibson Desert, desert	103	25°00'S 127°00'E	Harare, Zimbabwe	.90	17°49'S 31°03'E			
Concepción, Chile	.78	36°48'S 73°02'W	Dietenbaker, L., lake	50	50°00'N 107°00'W	Gijón, Spain	84	43°27'N 5°41'W	Harbin, China	.96	45°43'N 126°43'E			
Concepción, Paraguay	.78	23°23'S 57°25'W	Dijon, France	84	47°20'N 5°02'E	Fafo Is., dependency, Den.	84	62°00'N 7°00'W	Harrisburg, PA	.51	40°16'N 76°53'W			
Concepción del Oro, Mexico	.76	24°36'N 101°26'W	Dili, East Timor	96	8°35'S 125°36'E	Fafo Is., islands	54	33°00'N 112°00'W	Hartford, CT	.51	41°26'N 72°41'W			
Concepción, Pt., cape	.54	34°00'N 120°00'W	Dinanc Alps, mountains	85	44°00'N 17°00'E	Fayal, river	97	19°00'N 78°00'E	Havana, Cuba	.55	35°00'N 75°00'W			
Concord, river	.77	29°00'N 105°00'W	Dire Dawa, Ethiopia	90	9°36'N 41°52'E	Federated States of Micronesia, country	102	6°00'N 150°00'E	Havre-St-Pierre, Canada	.74	50°15'N 63°36'W			
Concord, NH	.51	43°12'N 71°32'W	Dirk Hartog I., island	103	26°00'S 113°00'E	Gold Coast, Australia	102	27°55'N 153°23'E	Hawaiian, state, U.S.	.50	21°00'N 158°00'W			
Congo, river	.91	2°00'N 22°00'E	Distrito Federal, fed. dist., Mex.	76	19°00'N 101°00'W	Gold Coast, region	91	5°00'N 1°00'W	Hawii, state, U.S.	.51	21°00'N 157°00'W			
Congo Basin, basin	.91	1°00'N 23°00'E	Djibouti, country	90	11°00'N 41°00'E	Gondor, Ethiopia	90	12°34'N 37°26'E	Hector, Canada	.75	60°49'N 115°46'W			
Connat, river	.55	42°00'N 73°00'W	Djibouti, Djibouti	85	11°34'N 43°08'E	Fiji, country	102	19°00'N 178°00'E	Hecate St., strait	.75	53°00'N 131°00'W			
Connestee, L., lake	.85	48°00'N 9°00'E	Dnieper, river	85	47°00'N 33°00'E	Fiji Sea, sea	103	27°00'N 177°00'E	Helena, MT	.50	45°36'N 112°02'W			
Connemara, Romania	.84	41°11'N 28°39'E	Dnieper Upland, highlands	85	49°00'N 32°00'E	Filchner Ice Shelf, ice shelf	15	80°00'N 40°00'W	Helsinki, Finland	.84	60°11'N 24°56'E			
Connolly, Algeria	.90	36°22'N 6°36'E	Dnipropetrovsk, Ukraine	84	48°27'N 34°59'E	Fimbul Ice Shelf, ice shelf	15	70°00'N 5°00'W	Hermosillo, Mexico	.76	29°04'N 110°55'W			
Coink, dependency, NZ	.102	20°00'S 158°00'W	Dodoma, Tanzania	90	6°09'S 35°42'E	Finistere, C., cape	85	43°00'N 9°00'W	Herrera, C., cape	.51	21°00'N 175°00'W			
Coink, islands	.103	20°00'S 158°00'W	Doha, Qatar	96	25°15'N 51°26'E	Finland, country	84	66°00'N 26°00'E	Hespe-St-Pierre, Canada	.74	50°15'N 63°36'W			
Coink, Mt., peak	.103	44°00'N 170°00'E	Dominica, country	44	16°00'N 61°00'W	Finland, G. of, gulf	85	60°00'N 26°00'E	Hawaii, island	.54	20°00'N 155°00'W			
Coink, Str., strait	.103	41°00'N 174°00'W	Dominican Rep., country	44	20°00'N 70°00'W	Fitzroy, river	103	18°00'N 125°00'E	Hawaiian Islands, islands	.54	21°00'N 157°00'W			
Coink, Denmark	.85	54°51'N 12°35'E	Dore, river	85	48°00'N 40°00'E	Flagstaff, AZ	50	35°12'N 111°39'W	Hawke, C., cape	.77	19°00'N 87°00'W			
Coink, Ecuador	.78	27°23'S 70°18'W	Donets, river	85	49°00'N 38°00'E	Fattery, C., cape	54	48°00'N 125°00'W	Hidalgo, state, Mex.	.76	21°00'N 99°00'W			
Coink, canyon	.77	27°00'N 108°00'W	Donets Basin, basin	85	48°00'N 37°48'E	Flinders, river	103	19°00'S 141°00'E	Hidalgo del Parral, Mexico	.26	26°56'N 105°41'W			
Coink, Sea, sea	.103	15°00'S 155°00'E	Donets'k, Ukraine	84	48°01'N 37°48'E	Florida, river	79	20°00'S 48°00'W	Higlands, mountains	.85	57°00'N 5°00'W			
Coink, Sea Islands, Terr., dependency, Aust.	.102	17°00'S 150°00'W	Douala, Cameroon	90	4°03'N 9°43'E	Florida, Pinecone, Canada	74	55°11'N 118°48'W	High Level, Canada	.74	53°11'N 117°06'W			
Coink, Argentina	.78	31°23'S 64°11'W	Dourados, Brazil	78	22°14'S 54°48'W	Flori Flon, Canada	74	54°48'N 101°52'W	Hilmaia, I., island	.85	59°00'N 22°00'W			
Coink, Spain	.84	37°57'N 4°47'W	Douro, river	85	43°00'N 70°00'W	Flint, MI	51	43°01'N 83°41'W	Hilto, HI	.50	19°44'N 155°05'W			
Coink, Island	.84	51°54'N 8°28'W	Dover, Str. of, strait	51	51°00'N 1°00'E	Flint, river	55	31°00'N 84°00'W	Himalayas, mountains	.97	27°00'N 86°00'W			
Coink, Brazil	.84	48°57'N 57°57'W	Drakensberg, mountains	91	30°00'N 30°00'E	Flint Hills, hills	55	38°00'N 97°00'W	Hindu Kush, mountains	.97	35°00'N 71°00'W			
Coink, Canada	.74	45°02'N 74°45'W	Drake Passage, strait	14	16°00'N 70°00'W	Flint, I., Italy	103	11°00'S 152°00'E	Holmer, Belarus	.44	17°00'N 117°41'W			
Coink, Chiriquí, TX	.57	27°48'N 97°24'W	Dresden, Germany	84	51°03'N 13°44'E	Florence, Colombia	78	13°36'N 75°35'W	Hobart, Australia	.102	42°48'N			
Coink, Argentina	.78	27°30'S 58°49'W	Dryden, Canada	74	49°47'N 92°49'W	Floriano, Brazil	78	6°47'N 43°00'W	Hochkaido, island	.97	44°00'N 143°00'W			
Coink, Argentina	.77	20°00'S 106°00'W	Dubawint, river	75	63°00'N 104°00'W	Floripa, Brazil	74	45°48'N 101°52'W	Holman, Canada	.74	70°43'N 117°41'W			
Coink, island	.85	43°00'N 97°00'W	Dubuque, I., lake	75	63°00'N 100°00'W	Florissant, Botswana	78	3°46'S 33°33'W	Honduras, country	.84	52°29'N 31°00'W			
Coink, Brazil	.78	19°01'S 57°38'W	Dublin, Ireland	84	53°21'N 6°16'W	Florissant, Colorado	51	26°07'N 80°09'W	Honduras, Str. of, strait	.97	27°00'N 100°00'W			
Coink, Rica, country	.44	10°00'N 85°00'W	Dubrovnik, Croatia	84	42°39'N 18°05'E	Fort Lauderdale, FL	51	26°10'N 80°21'W	Honolulu, HI	.85	59°00'N 22°00'W			
Coink, d'ivoire, country	.90	5°00'N 5°00'W	Dudut, Mongolia	51	46°47'N 92°06'W	Fort McMurray, Canada	74	54°00'N 97°02'W	Honolulu, Str. of, strait	.97	27°00'N 100°00'W			
Coink, Galapagos, I.	.77	20°00'N 87°00'W	Dundas, New Zealand	90	47°59'N 91°39'E	Fort McPherson, Canada	50	35°00'N 130°00'W	Honduras, country	.44	17°00'N 85°00'W			
Coink, Canada	.77	49°31'N 115°46'W	Dunedun, New Zealand	102	45°52'S 170°28'E	Fort Nelson, Canada	54	45°00'N 110°00'W	Hong Kong, China	.97	23°15'N 114°11'W			
Coink, Lake	.51	57°00'N 108°00'W	Durango, Mexico	76	24°02'N 104°39'W	Fraser, Strickland, former Yugorov Rep., of Macedonia, country	84	41°00'N 22°00'E	Hongqiao, Belarus	.84	53°41'N 23°51'E			
Coink, Str., strait	.85	35°00'N 25°00'E	Durango, Str., strait	50	40°35'N 105°05'W	Fort Collins, NC	50	47°56'N 97°02'W	Huambo, Angola	.90	12°46'N 15°44'E			
Coink, Str., strait	.75	66°00'N 65°00'W	Dundus, Mongolia	51	46°27'N 92°06'W	Fort Lauderdale, FL	51	42°45'N 85°40'W	Huancayo, Peru	.78	12°05'S 75°13'W			
Coink, Land, plateau	.55	35°00'N 85°00'W	Dundus Plat., plateau	54	31°00'N 101°00'W	Fort McMurray, Canada	74	54°00'N 117°00'W	Huaniuco, Peru	.97	37°00'N 111°00'W			
Coink, Sound, bay	.75	65°00'N 65°00'W	Dundus Plat., plateau	54	26°00'N 29°00'E	Fraser, river	75	52°00'N 123°00'W	Hood, Mt., peak	.54	45°00'N 122°00'W			
Coink, island	.45	12°10'N 69°00'W	Egypt, country	85	25°27'N 49°16'W	Frasier I., island	103	22°00'S 153°00'E	Hoodoo, Str., strait	.97	27°00'N 100°00'W			
Coink, Brazil	.78	17°32'S 71°56'W	Egypt, country	85	43°00'N 10°00'E	Fretton, Canada	74	54°57'N 66°40'W	Holmes, C., cape	.97	21°00'N 68°00'W			
Coink, islands	.85	37°00'N 25°00'E	Eiba, island	85	43°00'N 11°00'E	Friedericon, Canada	74	54°57'N 132°13'W	Horn, C., cape	.91	9°00'N 47°00'W			
Coink, country	.96	35°00'N 33°00'E	Eibe, river	54	54°00'N 11°00'E	Freetown, Sierra Leone	90	8°27'N 131°13'W	Horn, China	.96	37°08'N 79°54'W			
Coink, island	.97	35°00'N 33°00'E	Eibert, Mt., peak	54	39°00'N 106°00'W	French Guiana, dependency, Fr.	78	4°00'N 52°00'W	Houston, TX	.51	29°46'N 95°22'W			
Coink, island	.84	29°00'N 25°00'E	Eibrus, Mt., peak	85	43°00'N 42°00'E	French Polynesia, dependency, Fr.	102	1°00'N 177°00'W	Houleau, I., island	.102	1°00'N 177°00'W			
Coink, river	.96	35°00'N 33°00'E	Eldoret, Kenya	90	0°32'N 35°16'E	French Polynesia, islands	103	1°00'N 149°00'W	Hudson, river	.55	42°00'N 74°00'W			
Coink, river	.96	33°31'N 31°31'W	El Fasher, Sudan	90	13°38'N 25°21'E	Foxe Basin, bay	75	66°00'N 79°00'W	Hudson Bay, bay	.75	59°00'N 85°00'W			
Coink, river	.96	33°31'N 31°31'W	El Salvador, country	44	14°00'N 89°00'W	Foxe Pen., peninsula	75	65°00'N 78°00'W	Hudson Str., strait	.75	63°00'N 73°00'W			
Coink, river	.96	12°00'S 48°00'E	El Tigre, Venezuela	78	8°53'N 64°16'W	Franz Josef Land, islands	90	10°00'S 160°00'E	Hull, Canada	.74	45°26'N 75°44'W			
Coink, river	.91	16°00'S 69°00'W	Egypt, country	91	19°00'N 21°00'E	Frasier, river	75	12°00'N 137°00'E	Humphreys Peak, peak	.54	35°00'N 111°00'W			
Coink, river	.91	16°00'S 108°12'E	Eliwot, Mt., peak	78	27°20'S 55°52'W	Fretton, Str., strait	103	1°00'N 149°00'W	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.85	49°00'N 10°00'W	Encarnación, Paraguay	103	37°00'N 139°00'E	Frigg, river	54	41°00'N 114°00'W	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.85	45°00'N 29°00'E	Encounter Bay, Bay	103	37°00'N 139°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.55	27°00'N 27°00'E	Enderby, Land, region	15	70°00'S 40°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.103	31°00'N 144°00'E	England, division, U.K.	84	52°00'N 2°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.85	21°00'S 130°53'E	English Channel, strait	85	50°00'N 4°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.85	21°00'S 130°53'E	Ensenada, Mexico	103	51°00'N 116°37'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.90	2°00'S 123°22'E	Esen, Germany	91	34°00'N 120°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.90	2°00'S 123°22'E	Estevan, Canada	74	49°08'N 103°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.90	2°00'S 123°22'E	Estonia, country	84	59°00'N 29°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.90	2°00'S 123°22'E	Esfahan, Iran	90	32°39'N 51°39'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.90	2°00'S 123°22'E	Española, Ecuador	78	0°57'N 79°40'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.103	15°00'N 144°00'E	Espírito Santo, island	103	15°00'N 167°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.84	55°45'N 120°15'W	Esquel, Argentina	84	42°55'N 71°20'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.54	39°46'N 84°12'W	Essen, Germany	74	27°20'N 7°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.97	31°00'N 35°00'E	Estevan, Canada	74	49°08'N 103°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.54	36°00'N 117°00'W	Estonia, country	84	59°00'N 29°00'E	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.94	47°32'N 21°39'E	Esfahan, Iran	90	8°18'N 59°00'W	Frigg, river	54	41°00'N 125°27'E	Iceland, country	.84	67°00'N 17°36'E			
Coink, river	.54	66°00'N 58°00'W	Esméraldas, Ecuador	78	0°57'N 79°40'W	Frigg, river	54	41°00'N 125°27'E	I					

Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude					
Ireland, country	84	54°0'N	9°0'W	Kenai Pen., peninsula	54	60°0'N	150°0'W	Le Havre, France	84	49°3'N	0°0'E	Malaysia, country	.96	5°0'N	107°0'W	Miquelon Is., islands	.75	47°1'N	37°0'W
Irish Sea, country	85	54°0'N	5°0'W	Kenora, Canada	74	49°46'N	94°29'W	Lepizig, Germany	84	51°20'N	123°2'W	Maldives, country	.96	3°0'N	73°0'W	Miramichi, Canada	.74	46°58'N	69°15'W
Irkutsk, Russia	96	52°21'N	104°19'E	Kentucky, river	55	38°0'N	84°0'W	Lena, river	97	65°0'N	124°0'W	Maldives, islands	.97	3°0'N	73°0'W	Mirny, Russia	.96	62°25'N	112°5'W
Irrawaddy, river	97	24°0'N	96°0'W	Kentucky state, U.S.	51	37°0'N	86°0'W	León, Mexico	76	21°0'N	101°42'W	Male, Maldives	.96	4°26'N	73°11'W	Misratah, Libya	.96	32°23'N	15°5'W
Irtysh, river	97	57°0'N	74°0'W	Kenya, country	90	2°0'N	38°0'E	Lerma, river	77	20°0'N	101°0'W	Malé, Maldives	.97	19°0'N	100°W	Mississippi, state, U.S.	.96	45°0'N	92°0'W
Ishmael, river	97	55°0'N	68°0'W	Kenya, Mt., peak	91	1°0'N	37°0'E	Lesotho, country	90	29°0'N	29°0'W	Malmo, Sweden	.94	55°37'N	130°0'W	Mississippi, state, Delta	.95	32°0'N	56°5'W
Isiro, Dem Rep. of Congo	90	24°27'N	27°37'E	Kerguelen Is., islands	103	30°0'N	69°0'W	Lesser Antilles, islands	45	16°0'N	62°0'W	Malta, country	.98	36°0'N	14°0'W	Missouri, river	.95	29°0'N	89°4'W
Islamabad, Pakistan	96	33°40'N	73°06'E	Kermadec Is., islands	96	41°0'N	179°0'W	Lesser Caucasus, mountains	85	41°0'N	45°0'W	Malta, island	.97	17°0'N	140°0'W	Missouri, state, U.S.	.96	48°0'N	107°0'W
Isle Royale, island	95	48°0'N	89°0'W	Ketchikan, AK	55	52°21'N	131°39'W	Lesser Slave L., lake	75	56°0'N	117°0'W	Manado, Indonesia	.91	5°0'N	124°52'E	Mistassini, Lac, lake	.97	52°0'N	76°0'W
Israel, country	96	31°0'N	34°0'E	Khabarovsk, Russia	96	48°31'N	135°09'E	Lesser Sunda Is., islands	97	8°0'N	121°0'W	Matai, Pt., cape	.97	21°0'N	48°0'W	Izmir, Turkey	.96	38°26'N	27°0'W
Istanbul, Turkey	84	41°0'N	28°59'E	Kharkiv, Ukraine	84	50°0'N	36°18'E	Lethbridge, Canada	74	49°41'N	112°50'W	Managua, Nicaragua	.94	12°08'N	86°16'W	Jackson, MS	.94	43°0'N	120°0'W
Italy, country	84	43°0'N	12°0'W	Khartoum, Sudan	90	15°29'N	32°30'E	Lexington, KY	51	38°0'N	84°30'W	Manama, Bahrain	.95	26°10'N	50°29'E	Jacksonville, FL	.94	30°20'N	81°39'W
Ivanovo, Russia	84	57°0'N	41°0'E	Kiel Canal, canal	85	54°0'N	9°0'W	Lhasa, China	96	29°41'N	91°0'E	Manaus, Brazil	.91	7°0'N	65°0'W	Ivory Coast, region	.97	20°0'N	99°00'W
Ivory Coast, region	91	5°0'N	5°0'W	Kiev (Kyiv), Ukraine	84	50°30'N	30°31'E	Llard, river	75	61°0'N	122°0'W	Manchester, NH	.91	3°0'S	60°0'W	Ixtacihuatl, peak	.97	20°0'N	101°36'W
Ixtapa, Mexico	76	17°40'N	101°36'W	Kigali, Rwanda	91	1°56'N	30°02'E	Uberaba, country	90	5°0'N	90°0'W	Manchester	.91	43°0'N	71°27'W	Izhevsk, Russia	.96	56°47'N	53°17'E
Izhevsk, Russia	96	56°47'N	53°17'E	Kilimjaro, Mt., peak	91	3°0'N	37°0'E	Ubiqa, country	26	26°0'N	18°0'E	United Kingdom	.84	53°29'N	2°15'W	Izmir, Turkey	.96	38°26'N	27°0'W
Izmir, Turkey	96	38°26'N	27°0'W	Kimberley, S. Africa	28	24°44'N	24°46'E	Ubyan Desert, desert	91	23°0'N	25°0'E	Manchurian Plain, plateau	.94	45°0'N	124°0'W	Jackson, MS	.94	43°0'N	120°0'W
Jackson, MS	.94	43°0'N	120°0'W	Kinshasa, Dem. Rep. of Congo	103	16°0'N	126°0'W	Lechstein, country	84	47°0'N	9°0'W	Manicouagan, Rés., lake	.97	52°0'N	69°0'W	Jacksonville, FL	.94	30°20'N	81°39'W
Jacksonville, FL	.94	30°20'N	81°39'W	Kindu, Dem. Rep. of Congo	90	2°5'N	25°53'E	Léige, Belgium	84	50°39'N	5°34'E	Manihi, I., island	103	10°0'N	161°0'W	Jacques-Cartier, Mt., peak	.94	21°0'N	174°45'W
Jacques-Cartier, Mt., peak	.95	49°0'N	65°0'W	King, I., island	103	4°0'N	140°0'E	Luganu, Sea, sea	85	44°0'N	9°0'W	Manila, Philippines	.94	14°34'N	121°0'W	Jain, India	.96	26°55'N	75°48'E
Jain, India	.96	26°55'N	75°48'E	Kings Peak, peak	54	41°0'N	110°0'W	Lille, France	64	50°38'N	3°04'E	Manitoba, province, Can.	.97	51°0'N	98°0'W	Jalisco, state, Mex	.96	20°0'N	104°0'W
Jalisco, state, Mex	.96	20°0'N	104°0'W	Kingston, Canada	74	44°17'N	76°32'W	Lingwong, Malawi	90	13°58'N	33°46'E	Maracibo, L., lake	.97	50°30'N	83°0'W	Jamaica, island	.95	18°0'N	77°0'W
Jamaica, island	.95	18°0'N	77°0'W	Kingston, Jamaica	44	18°0'N	76°48'W	Lipetzk, Russia	78	12°0'N	28°0'E	Manantoul, I., island	.97	50°30'N	75°29'W	James, river	.95	38°0'N	99°00'W
James, river	.95	38°0'N	99°00'W	King William I., island	75	69°0'N	99°0'W	Limpopo, river	91	23°0'N	35°0'E	Manizales, Colombia	.94	49°29'N	8°28'E	James Bay, bay	.96	38°0'N	140°0'W
James Bay, bay	.96	38°0'N	140°0'W	Kinsangani, Dem. Rep. of Congo	.90	0°32'N	251°14'E	Lisbon, Portugal	50	40°48'N	96°40'W	Mananvil, Mexico	.97	19°0'N	104°20'W	Japan, country	.97	38°0'N	135°0'W
Japan, country	.97	38°0'N	135°0'W	Kismayo, Somalia	90	0°21'N	42°32'E	Lithuania, country	103	3°0'N	152°0'W	Maiko Mts., mountains	.97	5°0'N	149°0'W	Japan, Sea, sea	.96	48°0'N	104°0'W
Japan, Sea, sea	.96	48°0'N	104°0'W	Kitsumali, Kenya	90	0°06'N	34°46'E	Little Missouri, river	54	47°0'N	104°0'W	Mapimi Basin, depression	.97	27°0'N	103°0'W	Jeju, South Korea	.96	35°32'N	129°0'W
Jeju, South Korea	.96	35°32'N	129°0'W	Kitakushu, Japan	96	33°52'N	130°54'E	Little Rock, AR	51	34°45'N	92°17'W	Marathon, Canada	.95	1°0'N	121°0'W	Jersey, island	.96	48°0'N	2°0'W
Jersey, island	.96	48°0'N	2°0'W	Kitchen, Canada	74	43°26'N	80°31'W	Liverpool, United Kingdom	84	53°25'N	3°0'D	Maratenga, division, Yug.	.94	43°0'N	21°0'W	Jerusalem, Israel	.95	31°42'N	35°14'E
Jerusalem, Israel	.95	31°42'N	35°14'E	Kinshasa, Dem. Rep. of Congo	.90	0°32'N	251°14'E	Lions, G. of, gulf	85	43°0'N	4°0'W	Montenegro, division, Yug.	.94	37°0'N	103°0'W	Jesus, Christ	.95	37°0'N	103°0'W
Jesus, Christ	.95	37°0'N	103°0'W	Kirkuk, Iraq, country	96	33°20'N	130°54'E	Lipetsk, Russia	84	52°39'N	39°35'E	Monclova, Mexico	.97	10°0'N	72°0'W	Jeti-Oguz, Kyrgyzstan	.96	40°0'N	73°0'W
Jeti-Oguz, Kyrgyzstan	.96	40°0'N	73°0'W	Klondike, Reg. region, region	75	64°0'N	138°0'W	Lisbon, Portugal	50	49°0'N	91°10'W	Montevideo, Uruguay	.97	28°0'N	56°45'W	Johnston, I., dependency, U.S.	.96	18°0'N	104°0'W
Johnston, I., dependency, U.S.	.96	18°0'N	104°0'W	Kolima Range, mountains	103	3°0'N	138°0'W	Lloydminster, Canada	53	51°17'N	109°59'W	Montgomery, AL	.97	32°22'N	87°35'W	Jordan, I., dependency, U.S.	.96	31°0'N	104°0'W
Jordan, I., dependency, U.S.	.96	31°0'N	104°0'W	Komarovskiy, Russia	96	31°0'N	6°0'W	Lödö, Poland	84	51°45'N	19°28'E	Montreal, Canada	.97	51°17'N	65°45'W	Korakum, desert	.96	31°0'N	104°0'W
Korakum, desert	.96	31°0'N	104°0'W	Konduki, I., island	54	57°0'N	154°0'W	Lövön, Mt., peak	75	61°0'N	141°0'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Kosice, Slovakia	.96	48°0'N	21°0'W
Kosice, Slovakia	.96	48°0'N	21°0'W	Koti, Sudan	90	13°0'N	32°37'E	Lopar, Mt., peak	85	48°0'N	100°E	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koti, Sudan	.96	21°0'N	32°37'E
Koti, Sudan	.96	21°0'N	32°37'E	Koumi, L., lake	85	67°0'N	37°0'E	Loretto, Hawaii	91	1°0'N	90°E	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E
Koumi, L., lake	.96	21°0'N	32°37'E	Koumi, L., lake	90	12°20'N	124°0'W	Lough, river	76	22°16'N	101°57'W	Montenegro, division, Yug.	.96	43°0'N	21°0'W	Koumi, L., lake	.96	21°0'N	32°37'E

Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude	Page	Latitude	Longitude
Vanuatu, island	103°0'0"S	152°0'0"E	Ontario, province, Can.	74°52'0"N	88°0'0"W	Poinsett, C., cape	15°66'0"S	113°0'0"E	Red River of the North, river	55°48'0"N	97°0'0"W	Sakhalin, island	97°51'0"N	143°0'0"E
Vanuatu, state, U.S.	51°40'0"N	74°0'0"W	Ontario, L., lake	45°45'0"N	78°0'0"W	Poïnte-Noire, Rep. of Congo	90°4°48'N	115°2'E	Red Sea, sea	91°21'0"N	39°0'E	Salado, river	79°28'0"N	63°0'0"W
Venezuela, state, U.S.	50°34'0"N	106°0'0"W	Oran, Algeria	90°35'42" N	0°39'W	Poland, country	84°51'0"N	21°0'0"E	Regina, Canada	74°50'28"N	104°36'W	Salem, OR,	50°44'57"N	123°02'W
Verde, LA	51°29'57"S	90°05'W	Orange, river	91°28'00"S	20°00'E	Polynesia, region	103°2'0"S	163°0'0"W	Reindeer Lake, lake	75°75'0	103°0'0"W	Salerno, Italy	40°41'59"N	145°45'E
Verde, New, VA	51°34'59"S	76°26'W	Oregon, state, U.S.	50°44'00"S	121°0'0"W	Pontchartrain, L., lake	74°72'42"N	77°47'W	Reinga, C., cape	103°34'0"S	173°0'0"E	Salina Cruz, Mexico	76°16'11"N	95°11'W
Verde Islands, islands	97°75'00"N	142°00'E	Orenburg, Russia	84°51'50"N	55°03'E	Pontchartrain Inlet, Canada	55°30'00"S	90°00'W	Reno, NV	50°39'32"N	119°49'W	Salinas, CA	36°34'15"N	121°39'W
Victoria, state, Australia	102°29'00"S	149°0'0"E	Oronoco, river	79°8'00"S	65°0'0"W	Poço, L., lake	79°19'00"S	67°0'0"W	Republican, river	55°40'00"S	99°00'W	Salmon, river	54°46'00"N	116°00'W
Victoria, state, U.S.	51°40'43"S	74°0'0"W	Ornabia, Mexico	76°18'50"S	97°05'W	Popocatépetl, peak	77°19'00"S	99°00'W	Rep. of the Congo, country	90°10'00"N	16°0'0"E	Repulse Bay, Canada	78°66'32"S	86°09'W
Vienna, Austria	51°44'00"S	75°0'0"W	Ornabia, L., islands	85°59'00"S	65°0'0"W	Portage la Prairie, Canada	74°49'58"S	98°18'W	Rosario, Argentina	78°27'25"S	59°00'W	Salt, river	54°34'00"N	111°00'W
Vienna, state, U.S.	51°42'00"S	175°00'E	Orlando, FL	78°38'32"N	81°23'W	Port-au-Prince, Haiti	44°18'32"N	72°21'W	Resistencia, Argentina	78°27'28"S	59°00'W	Saltillo, Mexico	76°25'25"S	101°00'W
Vienna, state, U.S.	77°17'00"N	94°0'0"W	Oruro, Bolivia	78°17'57"S	67°06'W	Port-Cartier, Canada	74°50'02"N	66°15'W	Resolve, Canada	74°74'41"N	94°54'W	Salt Lake City, UT	50°40'46"N	111°53'W
Vienna Falls	45°30'00"S	83°0'0"W	Osaka, Japan	96°35'57"N	137°17'E	Port Elizabeth, S. Africa	90°33'57"S	25°35'E	Reunion, dependency, Fr	90°21'00"S	56°00'E	Salto, Uruguay	78°31'23"S	57°57'W
Vienna, Niger	90°13'31"N	2°07'E	Oslo, Norway	84°59'55"N	10°47'E	Port Gentil, Gabon	90°0'40"S	8°44'E	Reunon, island	91°21'00"S	56°00'E	Saltón Sea, lake	54°33'00"N	116°00'W
Vienna, country	44°12'00"N	84°0'0"W	Osterdal, river	85°62'00"S	14°06'E	Port Gentil, Gabon	90°4'47"N	7°00'E	Revelstoke, Canada	74°51'00"N	118°11'W	Salvador, Brazil	78°12'59"S	38°30'W
Vienna, lake	45°12'00"N	85°0'0"W	Ostrava, Czech Rep.	84°49'50"N	18°17'E	Port Hardy, Canada	74°50'43"S	127°31'W	Revillagigedo Is., islands	77°19'00"N	112°00'W	Salween, river	97°21'00"N	98°00'W
Vienna, France	84°43'43"N	71°16'E	Ottawa, Canada	74°45'24"N	75°41'W	Port Hedland, Australia	102°20'22"S	118°37'E	Reykjavik, Iceland	84°64'08"N	215°55'W	Samara, Russia	84°53'17"N	50°13'E
Vienna, lake	97°8'00"N	93°0'0"E	Ottawa, river	75°46'00"S	78°0'0"W	Portland, ME	51°43'40"N	70°15'W	Reynosa, Mexico	76°26'05"S	98°17'W	Samarkand, Uzbekistan	66°39'42"S	66°58'E
Vienna, Cyprus	35°07'00"N	33°21'E	Ouachita, river	55°34'00"S	92°0'0"W	Portland, OR	50°45'31"S	122°40'W	Rhone, river	85°51'00"N	70°0'0"E	Samoas country	102°13'00"S	174°00'W
Vienna, country	90°19'00"N	10°00'E	Ouachita Mts., mountains	55°35'00"S	95°0'0"W	Port Moresby, Papua New Guinea	90°20'06"S	57°53'W	Rhone Delta, delta	85°52'00"N	3°00'E	Samoa Is., islands	103°13'00"S	172°00'W
Vienna, river	91°17'00"N	0°00'	Ouagadougou, Burkina Faso	90°12'23"N	1°34'W	Porto, Portugal	84°41'09"N	8°37'W	Rio, island	51°43'00"N	72°00'W	Sanaa, Yemen	56°15'23"N	44°14'E
Vienna, delta	91°5'00"N	6°00'E	Oulu, Finland	84°65'02"N	25°26'E	Pôrto Alegre, Brazil	78°30'00"S	51°12'W	Rhône, river	85°36'00"N	28°00'E	San Ambrosio Is., island	79°26'00"S	80°00'W
Vienna, country	90°9'00"N	9°00'E	Outer Hebrides Is., islands	85°58'00"N	7°00'W	Ponto Novo, Benin	90°6'29"N	2°41'E	Ribeirão Preto, Brazil	78°21'10"S	47°47'W	San Antonio, TX	50°29'25"S	95°30'W
Vienna, island	54°22'00"N	160°00'W	Owen Sound, Canada	74°44'33"N	80°56'W	Póvoa Velho, Brazil	78°11'05"S	63°54'W	San Antonio Pt., cape	77°30'00"S	116°00'W	San Bernardino, CA	50°34'06"S	117°17'W
Vienna, river	91°25'00"N	32°00'E	Owyhee, river	54°43'00"N	118°00'W	Port Said, Egypt	90°31'15"S	32°17'W	San Carlos de Bariloche, Argentina	84°56'57"S	24°08'E	Argentina	78°41'05"S	71°17'W
Vienna, delta	91°31'00"N	31°00'E	Oxnard, CA	50°34'12"N	119°11'W	Portsmouth, United Kingdom	84°50'48"N	1°06'W	San Cristóbal, Venezuela	78°74'46"S	72°14'W	San Cristóbal de las Casas, Mexico	76°16'45"S	92°38'W
Vienna, lake	54°43'00"N	102°00'W	Ozark Plat., plateau	55°36'00"N	93°0'0"W	Port Sudan, Sudan	90°19'37"N	37°13'W	Sand Hills, hills	54°42'00"N	101°00'W	San Diego, CA	50°32'43"S	117°09'W
Vienna, lake	55°50'00"N	89°0'0"W	Ozarks, L. of, the lake	55°38'00"N	93°0'0"W	Portugal, country	84°40'00"N	8°00'W	San Felipe, Mexico	76°31'02"S	114°50'W	San Félix, I., island	79°26'00"S	80°00'W
Vienna, dependency, NZ	102°19'00"S	170°00'W	Padang, Indonesia	96°0'55"S	100°21'E	Porto-Vila, Vanuatu	102°17'44"S	168°24'E	San Félix, I., island	79°26'00"S	80°00'W	San José, CA	50°37'20"S	121°54'W
Vienna, island	103°29'00"S	168°00'W	Pakistan, L., island	55°27'00"S	97°0'0"W	Potomac, river	85°45'00"S	10°00'E	San Joaquín, river	54°37'00"S	121°00'W	San José, Costa Rica	44°9'55"S	84°05'W
Vienna, Russia	66°69'24"N	88°10'E	Palau, country	102°6'00"S	139°00'E	Potosi, Bolivia	78°19'36"S	65°45'W	San Juan, Puerto Rico	44°18'28"S	66°05'W	San Juan, river	54°37'00"S	107°00'W
Vienna, continent	14°50'00"N	100°00'W	Palawan, island	97°9'30"N	118°30'E	Powder, river	54°45'00"S	106°00'W	Pará, Rio, the	76°30'00"S	67°33'W	San Lázaro, C., cape	77°25'00"S	112°00'W
Vienna, Canada	74°54'27"S	108°18'W	Palembang, Indonesia	96°2'55"N	104°43'E	Prague, Czech Rep.	84°50'06"S	14°25'E	Paraná, river	78°11'05"S	43°15'W	San Lucas, Mexico	76°23'33"S	104°26'W
Vienna, lake	74°46'19"N	79°28'W	Palermo, Italy	84°38'08"N	13°21'E	Praia, Cape Verde	90°15'01"S	23°38'W	Paraná Grande, river	78°39'00"S	60°00'W	San Luis Potosí, Mexico	76°21'00"S	105°59'W
Vienna, dependency	85°71'00"N	25°00'E	Palikir, Fed. States of Micronesia	102°6'56"N	158°10'E	Prince Albert, Canada	74°53'10"S	105°45'W	Parque, river	77°21'00"S	104°00'W	San Luis Potosí, state, Mex.	76°23'00"S	100°00'W
Vienna, state, U.S.	51°35'00"N	165°24'W	Palma de Mallorca, Spain	84°39'35"N	2°40'E	Prince Albert Mts., mountains	15°75'00"S	158°00'E	Rivière du Loup, Canada	74°48'27"N	68°31'W	San Luis Rio Colorado, Mexico	76°16'45"S	92°38'W
Vienna, state, U.S.	51°37'00"N	118°00'E	Palmyra Is., dependency, U.S.	102°6'00"S	162°00'W	Prince Charles, I., island	84°57'00"S	177°00'W	Rivière du Loup, Canada	74°48'27"N	68°31'W	San Marino, country	54°42'00"S	120°00'W
Vienna, state, U.S.	51°37'00"N	101°00'W	Palmyra Is., islands	102°6'00"S	162°00'W	Prince Charles Mts., mountains	75°67'00"S	177°00'W	Rivière du Loup, Canada	74°48'27"N	68°31'W	San Matías, G. of, gulf	54°37'00"S	120°00'W
Vienna, river	55°64'00"N	42°00'E	Pamirs, mountains	97°38'00"N	73°00'E	Prince Edward Island, island	75°46'00"S	64°00'W	Riyadh, Saudi Arabia	74°24'00"S	64°42'E	San Miguel de Tucumán, Argentina	78°26'53"S	65°13'W
Vienna, Europe, Plain	85°55'00"N	22°00'E	Pampas, plain	79°38'00"N	60°00'W	Prince Edward Island, province, Can.	74°48'00"S	8°00'E	Rio Grande, river	74°31'00"S	150°31'E	San Pedro, river	76°32'28"S	114°47'W
Vienna, island	103°39'00"S	174°00'E	Panama, country	44°9'00"N	81°00'W	Prince Edward Island, province, Can.	74°48'00"S	8°00'E	Rio Negro, river	77°21'00"S	104°00'W	San Pedro de las Colonias, Mexico	76°23'00"S	105°25'W
Vienna, island	103°39'00"S	133°00'E	Panama Canal, canal	45°9'00"N	79°55'W	Prince George, Canada	74°52'52"S	122°46'W	Rio Negro, river	77°30'00"S	104°00'W	San Salvador, El Salvador	76°13'42"S	89°11'W
Vienna, island	103°39'00"S	133°00'E	Panama City, Panama	45°9'00"N	79°55'W	Prince of Wales I., island	75°33'00"S	162°00'W	Rio Negro, river	77°30'00"S	104°00'W	San Salvador, San Salvador	76°13'42"S	89°11'W
Vienna, island	102°16'00"S	146°00'E	Panama G., gulf	79°8'00"N	79°00'W	Prince Patrick, I., island	75°37'00"S	173°24'W	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, island	102°16'00"S	146°00'E	Panama, isth., of, isthmus.	45°10'00"N	79°00'W	Prince Rupert, Canada	75°37'00"S	173°24'W	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, Tur, state, Austria	102°16'00"S	146°00'E	Panama, isth., of, isthmus.	45°10'00"N	79°00'W	Prince Rupert, Canada	75°37'00"S	173°24'W	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, L., lake	77°22'00"N	98°00'W	Príncipe, island	51°41'49"S	71°25'W	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panuco, river	77°22'00"N	98°00'W	Prov. Ut, Prov.	50°40'14"S	111°39'W	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Papua, France	79°14'00"N	77°00'W	Río Grande, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Paracas, peninsula	79°14'00"N	77°00'W	Río Grande, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Paraguay, country	78°24'00"N	59°00'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Paraguay, river	79°20'00"N	58°00'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Paramaribo, Suriname	78°5'50"N	55°11'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'W	Rio Negro, river	54°48'00"S	28°00'E	Rio Negro, river	77°30'00"S	104°00'W	San Félix, I., island	76°13'42"S	89°11'W
Vienna, state, Austria	102°16'00"S	133°00'E	Panama, river	78°53'00"N	55°31'									

Seward Pen., peninsula

54 65°00'N 165°00'W

Seychelles, country

90 9°00'S 52°00'E

Seychelles Is., islands

91 8°00'S 52°00'E

Stax, Tunisia

90 34°47'N 10°46'E

Shackleton Ice Shelf, ice shelf

15 64°00'S 100°00'E

Shanghai, China

96 31°12'N 121°28'E

Shasta, Mt., peak

54 42°00'N 122°00'W

Shawinigan, Canada

54 46°33'N 72°45'W

Sheffield, United Kingdom

53 52°22'N 1°28'W

Shenyang, China

96 41°49'N 123°30'E

Sherbrooke, Canada

74 45°24'N 71°53'W

Shetland Is., islands

85 60°00'N 1°00'W

Shikoku, island

97 33°00'N 133°07'E

Shilka, river

97 52°00'N 105°00'E

Shiraz, Iran

96 29°37'N 52°32'E

Szczecin, Poland

84 53°26'N 14°33'E

T

Tabasco, state, Mex.

76 18°00'N 98°00'W

Tabora, Tanzania

90 5°01'S 32°49'E

Tabriz, Iran

96 38°05'N 46°15'E

Tacna, Peru

78 18°02'S 70°15'W

Tacoma, WA

50 47°15'N 122°27'W

Tademart Plat., plateau

91 28°00'N 5°00'E

Tagus, river

85 40°00'N 8°00'E

Tahat, peak

91 24°00'N 5°00'E

Tahiti, island

103 18°00'S 149°00'W

Tahoe, L., lake

54 39°00'N 120°00'W

Taipei, Taiwan

96 25°04'N 121°33'E

Taiwan, country

97 24°00'N 121°00'E

Taianyan, China

96 37°55'N 112°36'E

Tajikistan, country

95 39°00'N 71°00'E

Taklimakan Desert, desert

97 32°00'N 81°00'E

Talca, Chile

78 35°26'S 71°38'W

Tallahassie, FL

51 30°26'N 84°17'W

Tallinn, Estonia

84 59°24'N 24°44'E

Tamale, Ghana

90 9°24'N 0°50'W

Tamanrasset, Algeria

90 22°46'N 5°32'E

Tamaulipas, state, Mex.

76 24°00'N 99°00'W

Tambon, Russia

84 52°43'N 41°26'E

Tamahuia Lagoon, bay

77 22°00'N 97°00'W

Tampa, FL

51 27°57'N 82°28'W

Tampere, Finland

55 62°00'N 23°47'E

Tampico, Mexico

76 22°12'N 97°51'W

Tana, L., lake

91 12°00'N 38°00'E

Tanga, Tanzania

90 5°04'S 39°06'E

Tanganyika, L., lake

91 8°00'S 30°00'E

Tanger, Morocco

90 35°47'N 5°48'W

Tanzania, country

90 5°00'S 32°00'E

Tapachula, Mexico

76 14°54'N 92°15'W

Tapajós, river

79 5°05'S 57°00'W

Taranto, Italy

84 40°28'N 17°15'E

Tarija, G. de, gulf

85 39°00'N 19°00'E

Tarawa, island

103 19°00'N 173°00'E

Tasmania, island

103 42°00'N 147°00'E

Tasmania, state, Austl.

102 47°00'N 160°00'W

Solomon Islands, islands

103 9°00'S 165°00'W

Solomon Sea, sea

103 8°00'S 153°00'E

Somalia, country

90 4°00'N 49°00'E

Somali Pen., peninsula

91 7°00'N 49°00'E

Somerset I., island

103 18°00'S 152°00'W

Socotra, island

97 12°30'N 54°00'E

Sofia, Bulgaria

84 42°43'N 23°20'W

Sokoto, Nigeria

90 13°02'N 51°14'E

Solomon Islands, country

102 7°00'S 160°00'W

Solomon Islands, islands

103 9°00'S 165°00'W

Solomon Sea, sea

103 8°00'S 153°00'E

Somali Pen., peninsula

90 4°00'N 49°00'E

Somerset I., island

103 18°00'S 152°00'W

South Africa, country

90 30°00'S 21°00'E

South America, continent

14 10°00'S 50°00'W

Southampton I., island

103 55°00'N 5°00'W

South Australia, state, Austl.

102 32°00'S 135°00'E

South Bend, IN

51 41°41'N 86°15'W

South Carolina, state, U.S.

51 34°00'N 81°00'W

South China Sea, sea

97 14°00'N 115°00'E

South Dakota, state, U.S.

50 45°00'N 101°00'W

South East C., cape

103 44°00'N 147°00'E

Southern Alps, mountains

103 44°00'N 171°00'E

South Georgia Island, L., lake

75 57°00'N 10°00'W

South Georgia, Island

97 1°19'N 167°45'W

South I., island

103 44°00'N 171°00'E

South Korea, country

96 35°10'N 128°00'W

South Orkney Is., islands

15 61°00'S 45°00'W

South Platte, river

54 40°00'N 104°00'W

South Pole, pole

15 90°00'S 0°00'W

South Saskatchewan, river

57 51°00'N 110°00'W

South Shetland Is., islands

15 62°00'S 60°00'W

Spain, country

84 41°00'N 5°00'E

Spicer G., gulf

103 35°00'N 137°00'E

Split, Croatia

84 43°31'N 16°27'E

Spokane, WA

50 47°40'N 117°25'W

Springbrook, S. Africa

90 29°40'N 175°44'E

Springfield, IL

51 39°48'N 89°39'W

Springfield, MO

51 37°13'N 93°18'W

Sri Lanka, country

96 7°00'N 81°00'E

Srinagar, India

96 34°11'N 74°48'W

Stanley, Falkland Is.

78 51°43'S 57°51'W

Stanovoy Range, mountains

97 56°00'N 130°00'E

Starbuck I., island

63 6°00'S 156°00'W

Stavanger, Norway

84 58°57'N 5°45'E

Steep Pt., cape

103 26°00'S 113°00'E

Stewart I., island

103 47°00'S 168°00'W

Stockholm, Sweden

84 59°20'N 18°02'E

Strasbourg, France

48°35'N 7°46'E

Stuttgart, Germany

48°48'N 9°11'E

Sucre, Bolivia

78 19°03'S 65°15'W

Sudan, country

90 11°00'N 29°00'E

Sudbury, Canada

74 46°29'N 81°00'W

Sudd, swamp

91 9°00'N 29°00'E

Sudeten Mts., mountains

85 51°00'N 16°00'E

Suez Canal, canal

91 31°00'N 34°00'E

Suez G., gulf

91 28°00'N 34°00'E

Sukhona, river

85 50°00'N 42°00'W

Sumatra, island

97 0°00'N 121°00'E

Sunda Str., strait

84 7°00'N 105°00'E

Sundsvall, Sweden

84 62°22'N 171°17'E

Surabaya, Indonesia

96 7°13'N 112°44'E

Surgut, Russia

96 61°08'N 73°27'E

Suriname, country

78 4°00'N 57°00'W

Susquehanna, river

55 41°00'N 76°00'W

Sutlej, river

97 31°00'N 73°00'E

Swallow, is., islands

76 18°00'N 18°00'E

Switzerland, country

96 45°00'N 10°00'E

Sydney, Australia

96 33°54'N 151°12'E

Syktyvkar, Russia

84 61°47'N 51°02'E

Tajikistan, country

95 39°03'N 95°41'W

Talim Ridge, highlands

85 66°00'N 50°00'E

Tamusca, Romania

84 45°46'N 21°14'E

Timor, island

97 9°00'S 125°00'E

Timor Sea, sea

98 13°00'N 127°00'E

Tirana, Albania

84 41°20'N 19°49'E

Tisza, river

85 46°00'N 20°00'E

Titicaca, L., lake

79 16°00'S 69°00'W

Tizimin, Mexico

76 21°09'N 88°09'W

Tlaxcala, Mexico

76 19°19'N 98°14'W

Tlaxcala, state, Mex.

96 19°00'N 98°00'W

Toamasina, Madagascar

90 18°10'S 49°22'E

Tokelau Is., dependency

102 9°00'S 172°00'W

Tokelau Is., islands

103 9°00'S 172°00'W

Tokyo, Japan



Glossary

Archipelago a group of islands

Basin an area surrounded by higher land; an area drained by a river and its tributaries

Bay a coastal indentation of the sea or a lake into the land

Canal a man-made waterway, for irrigation or transportation

Canyon a deep valley with steep sides, usually with a river flowing through it

Cape a point of land extending out into a body of water

Channel a narrow stretch of water connecting two larger bodies of water

Cliff a high, steep rock-face

Coast a strip of land bordering the sea

Continental Divide a ridge of land (divide) that separates the great drainage basins of a continent, each basin emptying into a separate body of water

Delta an area of land formed by deposits at the mouth of a river

Desert an area of land with little rainfall or vegetation

Fjord a narrow inlet of the sea, with steep slopes, formed by a glacier

Glacier a large mass of ice that moves slowly, from higher to lower ground

Gulf an extension of the sea partly surrounded by land, larger than a bay

Harbor a sheltered area along a coast where ships can safely anchor

Hills an upland area, smaller than mountains, with gentle slopes

Island a body of land completely surrounded by water

Isthmus a narrow strip of land that connects two larger bodies of land

Lake a body of water completely surrounded by land

Mesa a flat upland area with steep sides, smaller than a plateau

Mountain an area of land rising much higher than the land around it, with steep slopes and pointed or rounded tops

Mouth, of river the point where a river empties into another body of water

Oasis a place in the desert with enough water to support vegetation

Peak the pointed top of a mountain

Peninsula a long piece of land surrounded on three sides by water

Plain a large area of flat or gently rolling land

Plateau a large elevated area of flat land

Point a narrow piece of land jutting out into a body of water, usually low-lying

Range a chain of mountains

Reef an underwater ridge, lying near the surface of the water

Reservoir a man-made lake, sometimes formed by a river dam

River any stream of fresh water flowing by gravity from an upland source into a body of water or another river. Perennial rivers flow all year; intermittent are dry part of the year

Sea a large body of salt water, smaller than an ocean

Sound a stretch of water between an island and the mainland

Strait a stretch of water joining two larger bodies of water, narrower than a channel

Swamp low-lying land permanently waterlogged

Tributary a river that flows into a larger river

Valley a long, low area, usually with a river flowing through it, and often lying between mountains or hills

Volcano a cone-shaped hill or mountain formed by lava and ash; may be active or extinct