

The  
**NYSTROM**

# Junior Geographer ATLAS



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# Facts about the United States

## Land Area

United States 3,679,192 sq. mi.  
(4th largest country in area)

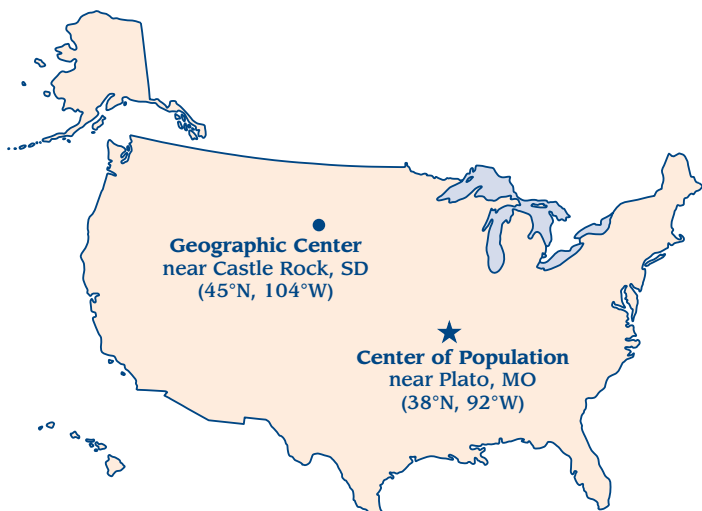
Largest State Alaska, 587,878 sq. mi.  
Smallest State Rhode Island, 1,213 sq. mi.

## Longest Rivers

- |                      |           |
|----------------------|-----------|
| 1. Mississippi River | 2,348 mi. |
| 2. Missouri River    | 2,315 mi. |
| 3. Rio Grande        | 1,885 mi. |
| 4. Yukon River       | 1,875 mi. |
| 5. Arkansas River    | 1,459 mi. |
| 6. Colorado River    | 1,450 mi. |
| 7. Brazos River      | 1,309 mi. |
| 8. Red River         | 1,222 mi. |
| 9. Columbia River    | 1,214 mi. |
| 10. Snake River      | 1,000 mi. |

## Largest Lakes

- |                        |                |
|------------------------|----------------|
| 1. Lake Superior       | 31,700 sq. mi. |
| 2. Lake Huron          | 23,000 sq. mi. |
| 3. Lake Michigan       | 22,300 sq. mi. |
| 4. Lake Erie           | 9,910 sq. mi.  |
| 5. Lake Ontario        | 7,320 sq. mi.  |
| 6. Great Salt Lake     | 1,700 sq. mi.  |
| 7. Lake of the Woods   | 1,485 sq. mi.  |
| 8. Iliamna Lake        | 1,150 sq. mi.  |
| 9. Lake Okeechobee     | 700 sq. mi.    |
| 10. Lake Pontchartrain | 625 sq. mi.    |



## Population

United States in 2010 308,745,538  
(3rd largest country in population)

Largest State Population California, 37,253,956  
Smallest State Population Wyoming, 563,626

## Largest Cities

- Number of people in 2010
- |                      |           |
|----------------------|-----------|
| 1. New York City, NY | 8,175,133 |
| 2. Los Angeles, CA,  | 3,792,621 |
| 3. Chicago, IL       | 2,695,598 |
| 4. Houston, TX       | 2,099,451 |
| 5. Philadelphia, PA  | 1,526,006 |
| 6. Phoenix, AZ       | 1,445,632 |
| 7. San Antonio, TX   | 1,327,407 |
| 8. San Diego, CA     | 1,307,402 |
| 9. Dallas, TX        | 1,197,816 |
| 10. San Jose, CA     | 945,942   |

## Extremes of Weather

### Annual Rainfall

Highest average 460 in., Mt. Waialeale, Hawaii  
Lowest average 1.8 in., Death Valley, California

### Record Temperatures

Highest 134°F  
July 10, 1913, Death Valley, California  
Lowest -80°F  
January 23, 1971, Prospect Creek, Alaska

## Extremes of Elevation

Highest Place 20,310 ft. above sea level  
Denali (Mt. McKinley), Alaska  
Lowest Place 282 ft. below sea level  
Death Valley, California

## Extreme Locations Within the 50 States

Farthest North 71°N, 156°W, Point Barrow, Alaska  
Farthest South 19°N, 156°W, Ka Lae, Hawaii  
Farthest East 45°N, 67°W  
West Quoddy Head, Maine  
Farthest West 53°N, 172°E  
Cape Wrangell, Attu Island, Alaska



The  
**NYSTROM**

# Junior Geographer ATLAS

Hi! We're the  
Junior  
Geographers.

We'll  
help you learn  
about maps.

And maps will  
help you learn  
about our  
country.





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# Why do we use globes and maps?

Globes and maps help us learn about our world, the earth.

- ◆ The earth is shaped like a **sphere**, or ball, and so is a globe.
- ◆ A globe is the only true **model** of the earth. It shows the true shape of places and their true size in comparison to other places.
- ◆ A map can show us the whole world on a flat piece of paper.



Can you find North America in the photo of the earth?



Seen from space, the earth looks like this.



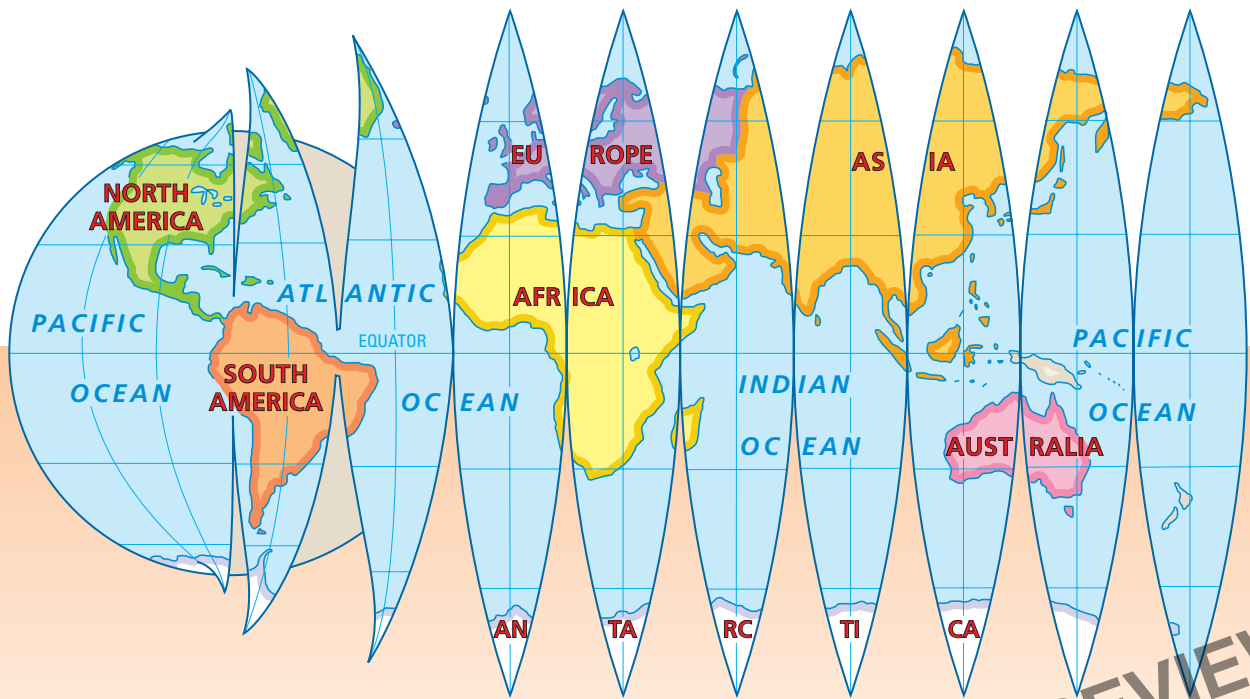
No matter how you turn a globe, you can see only half the world.



Which would be easier to carry on a trip, a map or a globe?







If you could peel and flatten a globe, you could see the whole world at once.



This map stretched land and water to fill the spaces left empty when the globe was peeled.



Which shows Antarctica's true shape: the map or the globe?





# How do you decode a map or globe?

Maps use colors, names, lines, and shapes as symbols. Different maps use different symbols.

- ◆ The **legend** tells a map's story by helping you decode its symbols.
- ◆ Some people call the legend a **key** because it helps unlock the map's meaning.
- ◆ Always check the map title first, and then read the rest of the legend.
- ◆ Look for other clues right on the map or globe.



## Title

The title is your first clue to what the map or globe is about.

## Symbols

Different lettering styles mean different things.

Boundary lines show where one place ends and another begins.

City symbols show where cities are located.

## Continents and Oceans

**PACIFIC OCEAN** Ocean  
**NORTH AMERICA** Continent  
**CANADA** Country

— International boundary  
 • Bogota City

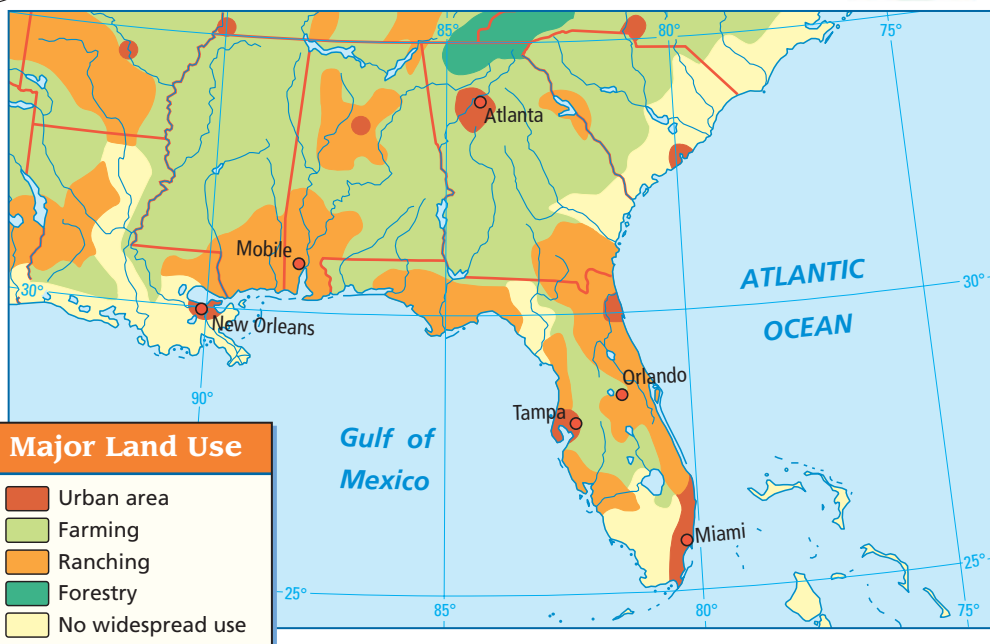
Scale  
 0 250 500 750 1000 miles  
 1 inch stands for 880 miles

On this globe, what do the land colors show?

## Scale

The scale allows us to estimate real distances on the earth.

What do the land colors show on this map?



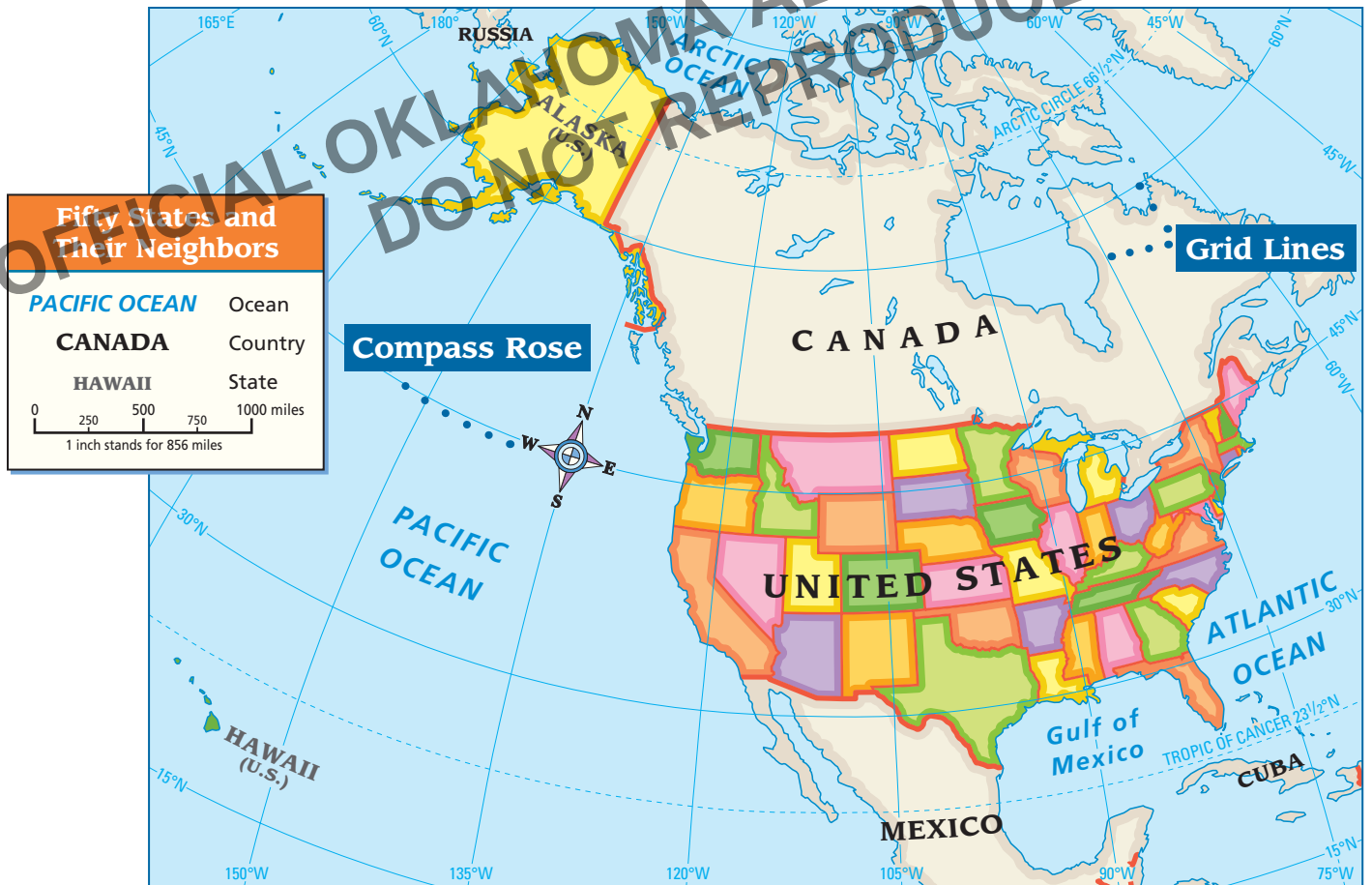
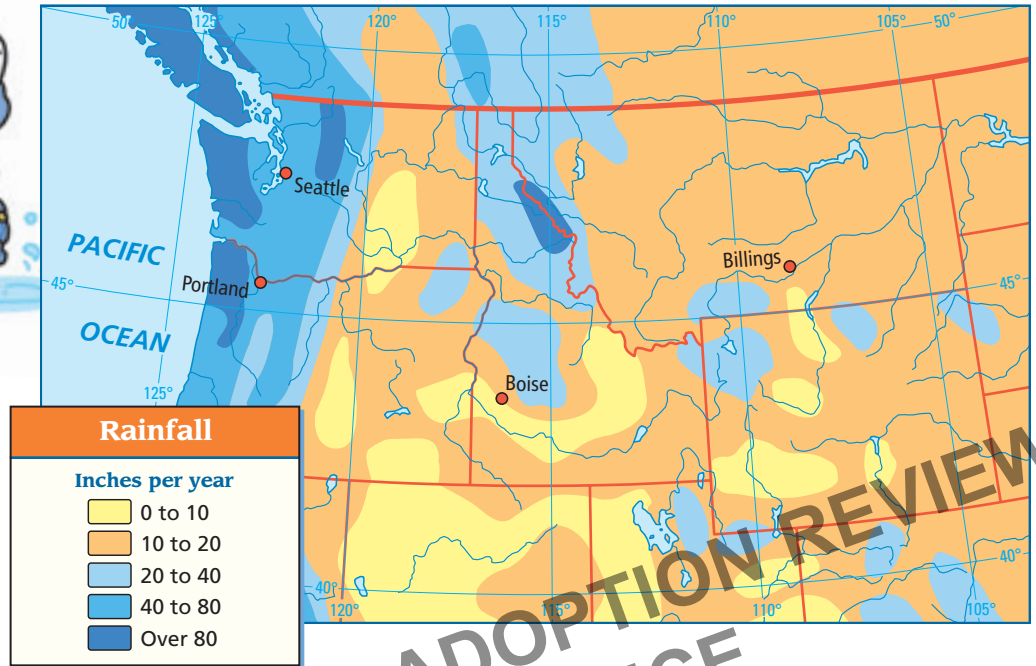
## Major Land Use

Urban area  
 Farming  
 Ranching  
 Forestry  
 No widespread use





Judging from the title, what do the colors on this map stand for?



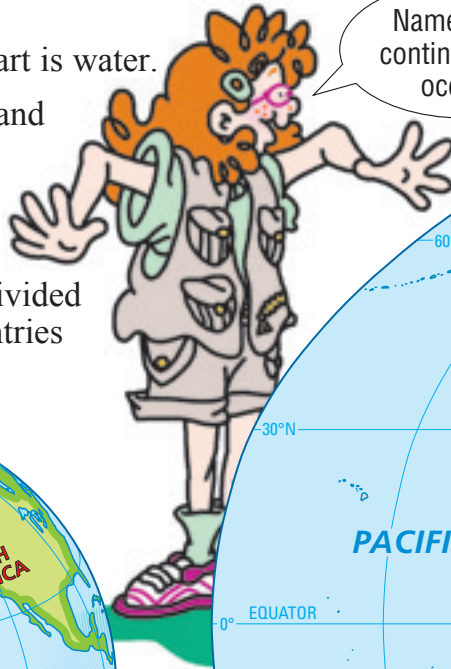
A **compass rose** is the name for a set of pointers that show directions. The lines that crisscross maps or globes form a pattern called a **grid**. Later you will learn how to use these map clues for directions and locations.



# What are the continents and oceans?

Part of the earth is land, and part is water.

- ◆ The seven largest areas of land are called **continents**.
- ◆ The five largest bodies of water are called **oceans**.
- ◆ Five of the continents are divided into **countries**. A few countries are named on the map.



## Pacific Ocean

Where does the world map show the Pacific Ocean? Why?



World	
PACIFIC OCEAN	Ocean
AFRICA	Continent
BRAZIL	Country
—	International boundary
Scale at Equator	
0 600 1200 1800 2400 miles	
1 inch stands for 1892 miles	

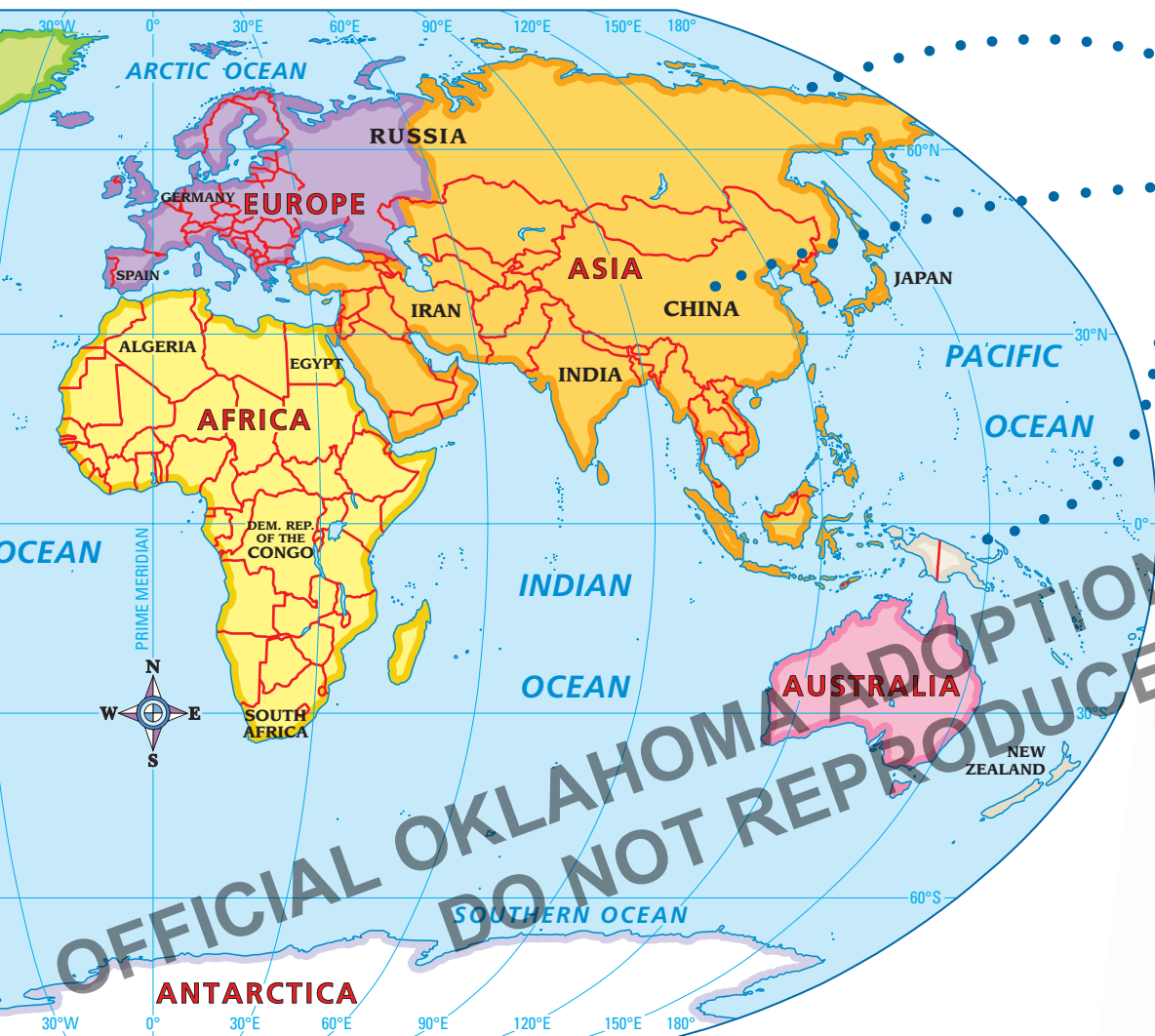


## Arctic Ocean

Which continents surround the Arctic Ocean?

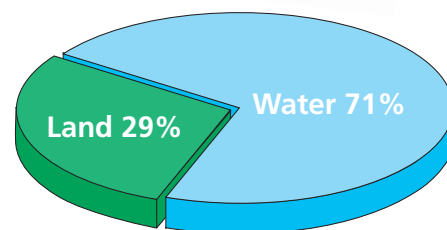






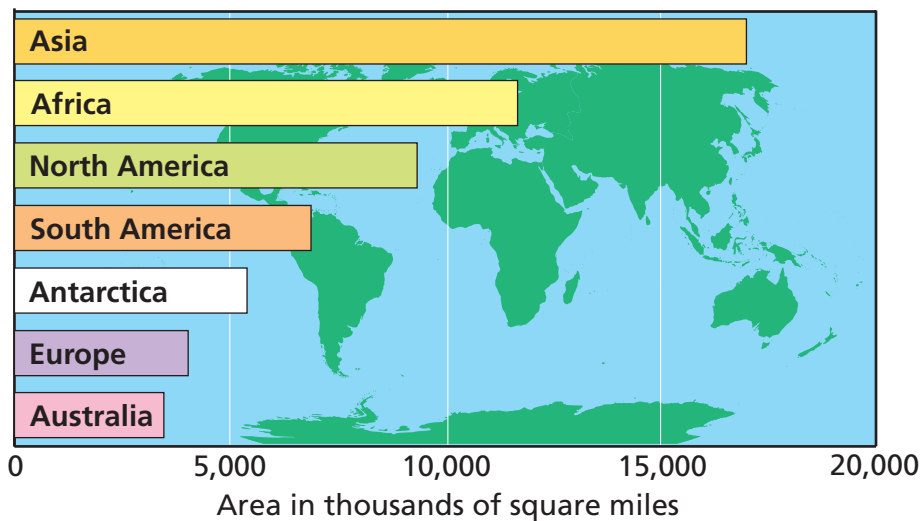
- Continents and oceans meet along coastlines.
- Countries are parts of continents.
- Many Pacific islands are not part of any continent.

Which continent is ours?



### Surface of the Earth

Where is it easier to see the true size of each ocean—the map or the globe?



### Continents

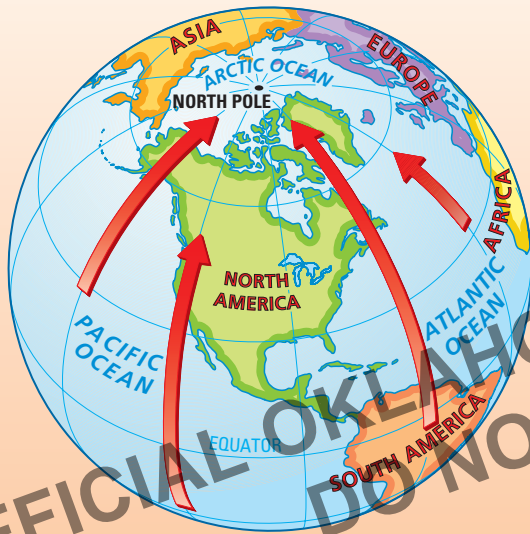
About how large is our continent? Which continents are larger? Which are smaller?



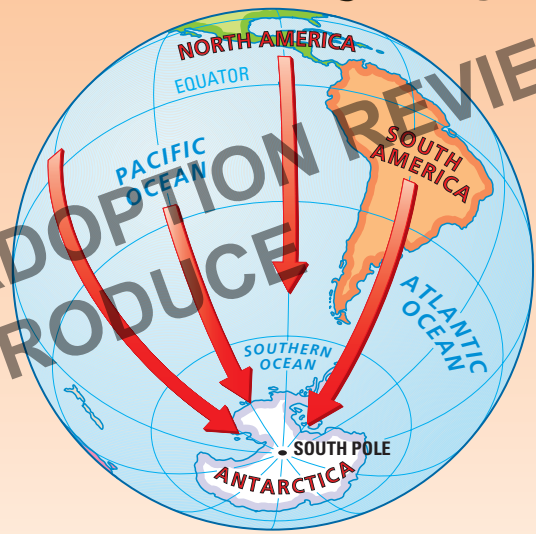
# What are the cardinal directions?

Directions help you find places on maps and globes and in the real world too.

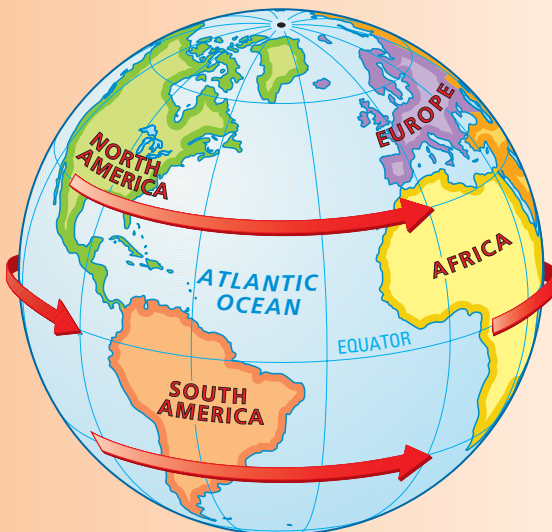
- ◆ North, south, east, and west are the four main or **cardinal** directions.
- ◆ North is toward the North Pole, and south is toward the South Pole.
- ◆ The two poles are only locations, not real poles stuck in the ground.
- ◆ When you face north, east is to your right, and west is to your left.



**A** North is always toward the North Pole—no matter where you are in the world.



**B** South is always toward the South Pole—no matter where you are in the world.



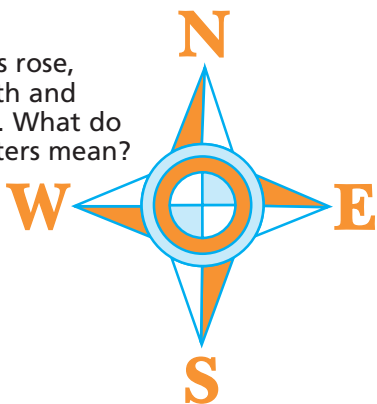
**C** Since there is no East Pole, you can travel **east** forever.



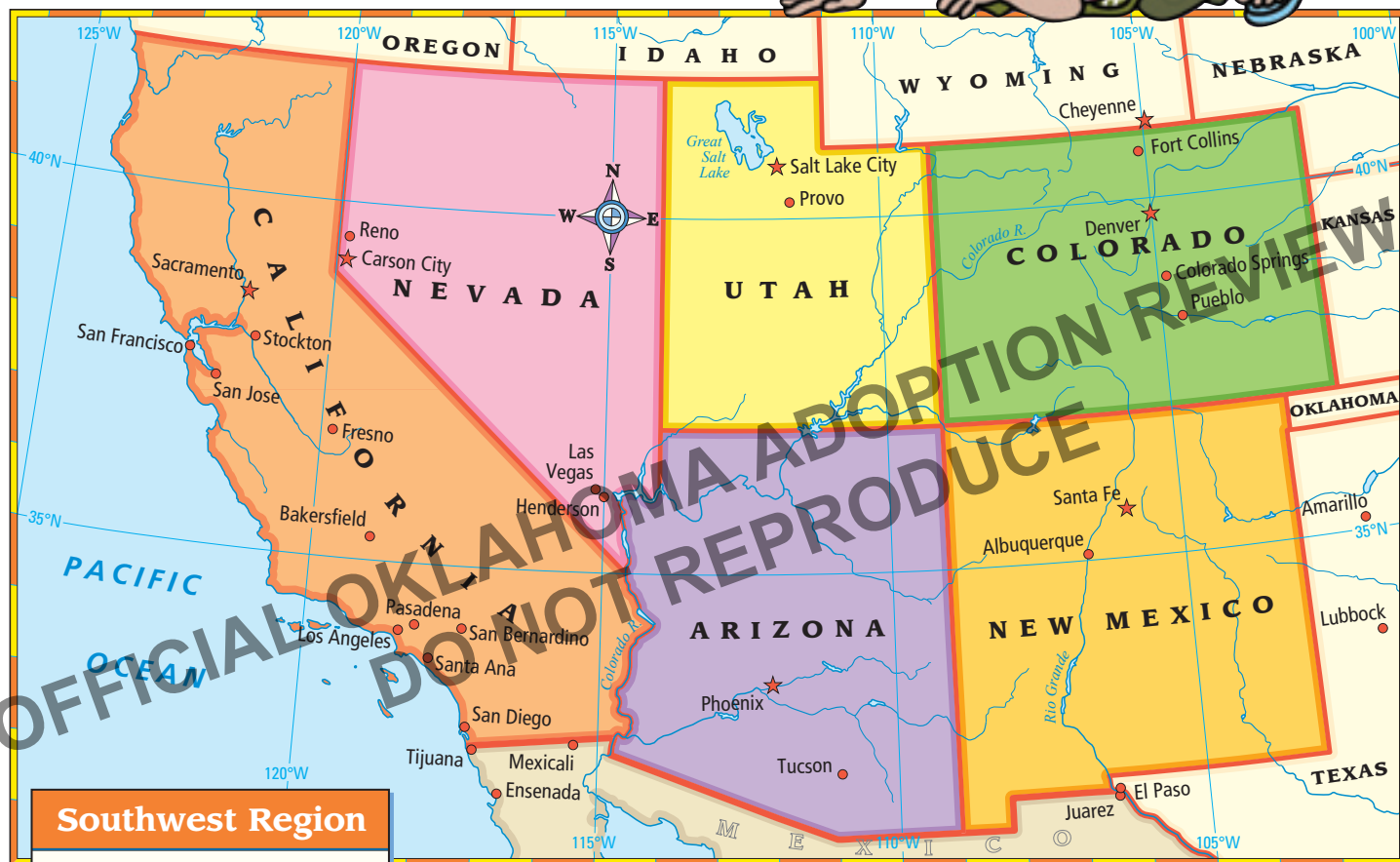
**D** Since there is no West Pole, you can travel **west** forever.



On a compass rose, N means north and E means east. What do the other letters mean?



Which state is south of Utah?

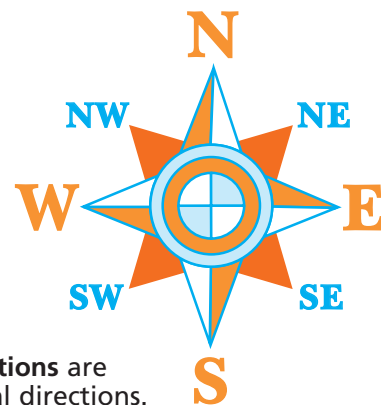
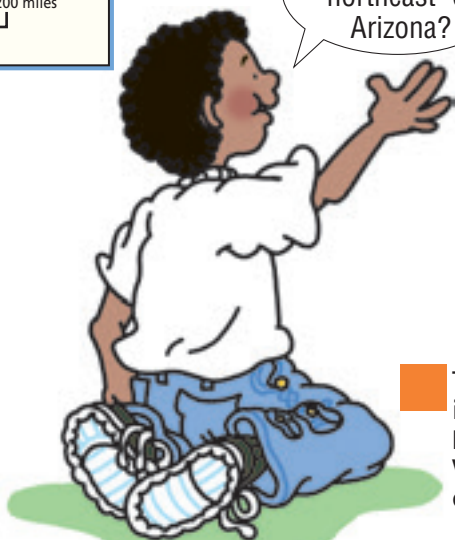


### Southwest Region

- ★ State capital
- Other city

0 50 100 150 200 miles  
1 inch stands for 182 miles

Which state is northeast of Arizona?



The **intermediate directions** are in between the cardinal directions. NE, for example, means northeast. What are the other intermediate directions?



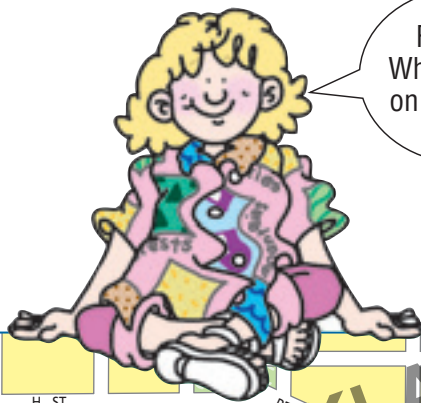
# How do you use a map scale?

Most maps are drawn to an exact **scale**. The scale is the distance on the earth shown by a measurement on the map.

- ◆ On some maps the scale is explained in words.
- ◆ One inch might stand for 1,000 feet on one map and 1,000 miles on another.
- ◆ If the scale is shown as a divided bar or line, you can use it to measure distances on the map.



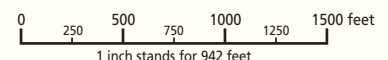
The White House is located in our national capital, Washington, D.C.



Find the White House on this map.



Washington, D.C.  
Near the White House



The scale of a visitor's map allows it to name streets and even show the "footprints" of buildings.



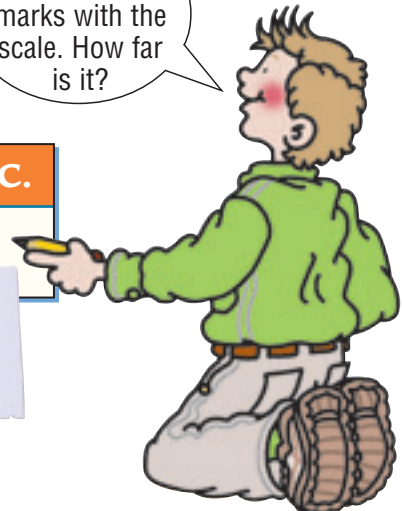
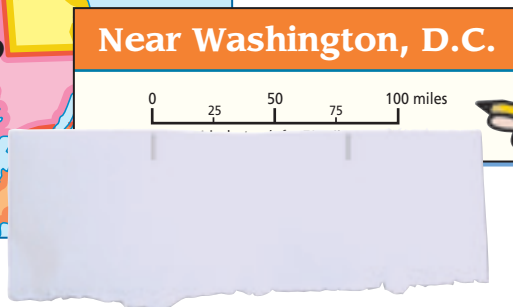
The scale of this map reduces Washington, D.C., to a symbol, but it allows you to see a much larger area. The steps below show how to use the scale.



First, mark the distance between two cities on a piece of paper.



Next, line up your marks with the scale. How far is it?





# What does a political map show?

A political map is usually colored by country or by state.

- ◆ Political colors make it easy to compare size, shape, and location.
- ◆ On the map shown here, bold letters make the country names stand out.
- ◆ Symbols make it easy to tell capitals from other cities.
- ◆ Political maps also name certain physical features, such as rivers and lakes.



Most boundaries are marked only by signs—  
if they are marked at all.



In a few places, international boundaries are marked by fences or checkpoints.



Rivers often form boundaries. Which river forms part of the boundary between the United States and Mexico?





Is this map colored by state or by country?



Most cities shown on this map are very large, but some political maps show many small towns too.



The **Capitol** is the **building** where our government meets!

The Capitol is in Washington, D.C., the capital of our country.



A **capital** is a **city** where government meets and makes laws. How many national capitals can you find on the map?



# What does a physical map show?

A **physical map** has colors that make natural patterns stand out.

- ◆ The colors on this map stand for the main kinds of plants that grow naturally in different parts of North America.
- ◆ The map also uses dark shading to show mountains.
- ◆ Names of big natural features are easy to see.
- ◆ Physical maps also include some political information, such as boundaries.



Cold **tundra** regions have small plants that grow close to the ground. Colder regions are covered with ice all year.



## Physical Map North America

### Natural Regions



Tundra  
or ice



Forest



Grass



Shrub or  
desert



Continental boundary



International boundary

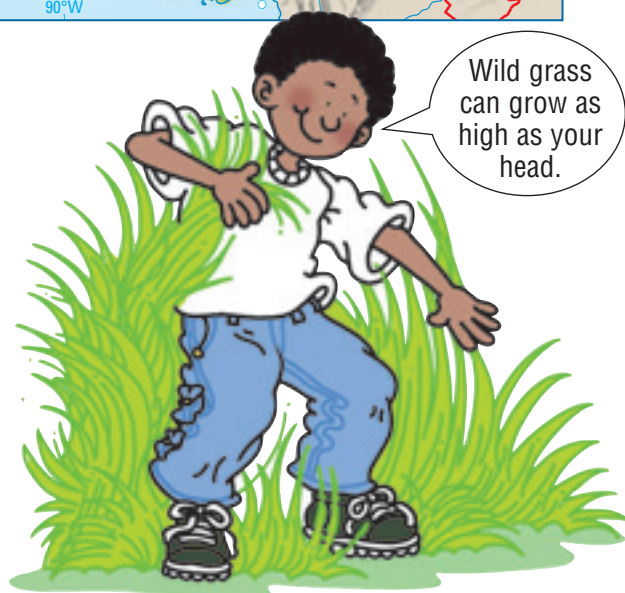
1 inch stands for 820 miles

**Desert** regions have plants that need very little water, or no plants at all. Regions with a little more rain have **shrubs**.





**Forests** once covered much of the eastern United States, but many trees in this region were cut down as farms and cities grew.



**Grass** of various kinds grows naturally over large regions.



# What bodies of water do maps show?

Maps show water features with lines and symbols, including color.

- ◆ Blue is a symbol for water on both physical and political maps.
- ◆ Maps show the shape of water features as if seen from a great height.
- ◆ Major bodies of water are clearly labeled on both physical and political maps.

Find examples of all these features on pages 70–71.



**Oceans** are the bodies of water that surround the continents. Water and land meet along a **coastline**.



**Lakes** are bodies of water surrounded by land.



**Rivers** are long, narrow bodies of water that flow downhill.





**Bays** are partly surrounded by land and partly open to larger bodies of water.



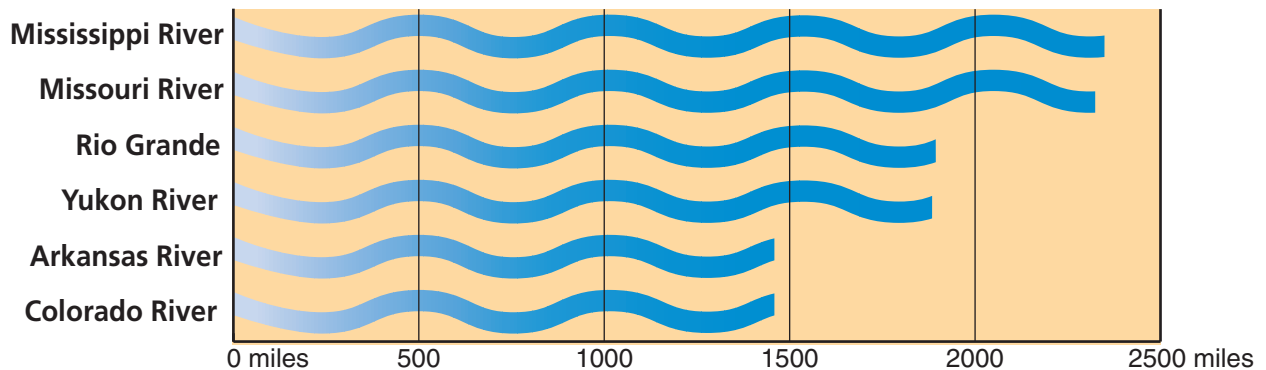
**River mouths** are where rivers end. Most rivers flow into larger bodies of water.



**Canals** are narrow waterways built by people.



**Reservoirs** are artificial lakes that form behind dams on rivers.



### Longest Rivers in the United States

Find each of these rivers on the map on pages 70–71. (This Colorado River is west of the Rocky Mountains, not in Texas.)



# What landforms do maps show?

Most of the landforms named on a United States or world map cover large areas.

- ◆ Shading, like shadows, can show the shape of the land's surface—its **relief**.
- ◆ Where the land is more rugged, the map has more shading. Rugged land has **high relief**, and smooth land has **low relief**.
- ◆ Physical maps usually name more landforms than political maps.



Find examples of all these landforms on pages 70–71.



**Plains** are broad areas of land that are gently rolling or almost flat.



**Hills** are higher than the land around them, and some are almost as high as mountains.



**Mountains** can have sharp peaks or rounded tops. A chain of connected mountains forms a **range**.



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**Plateaus** are vast, high areas whose tops are mostly level. Many are deeply cut by canyons.



**Canyons** are deep valleys with steep sides that were carved by rivers.



**Islands** are bodies of land surrounded by water. Some are very large, but all are smaller than continents.



**Peninsulas** are areas of land that are almost surrounded by water. Some are narrow and others are broad.



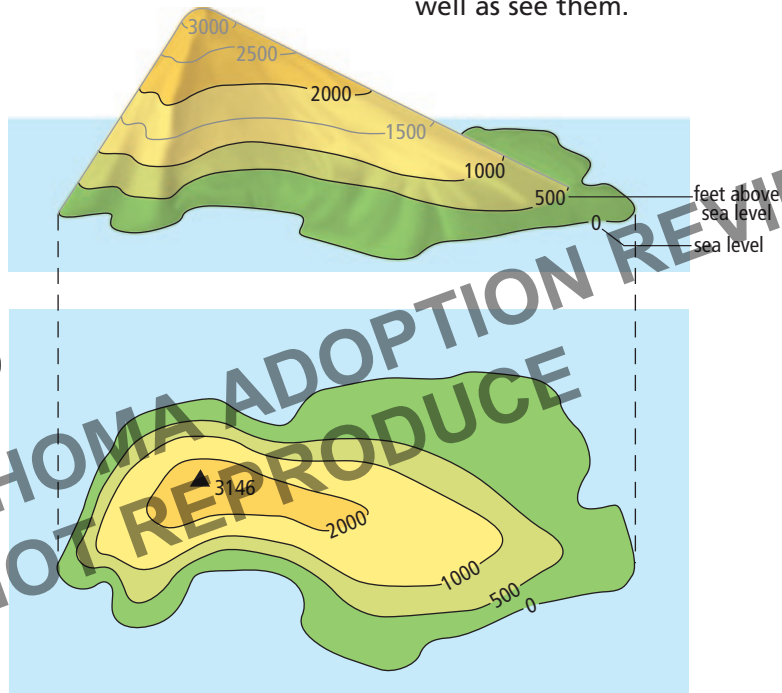
# H How do maps show elevation?

Some physical maps use colors to stand for different elevations.

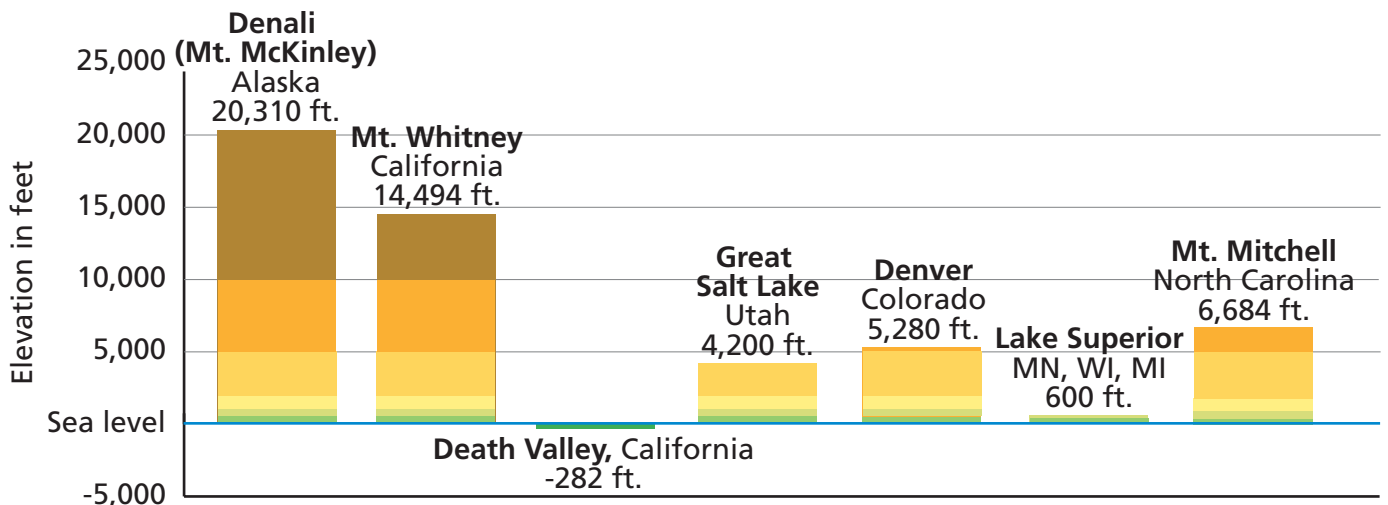
- ◆ **Elevation** is height above or below sea level.
- ◆ **Sea level** is the surface of the ocean when it is calm.
- ◆ Many elevation maps also use shading to show how rugged the land is.
- ◆ Some maps are three-dimensional to make it easier to see where the land is highest.



The surface of a **raised relief map** allows you to feel the mountains as well as see them.



The flat map of this mountainous island shows four elevation zones. As the numbers get higher, so does the land.



## Elevations in the United States

Every place, even the flat surface of a lake, has an elevation. A map might show very high and low elevations with symbols and numbers.





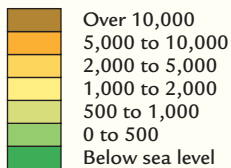
Which color stands for land over 10,000 feet high?

Find the same color on the cross section below the map.

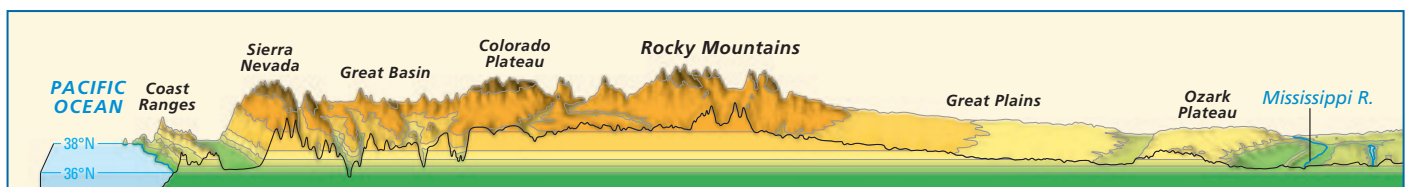


### Western United States

#### Elevation in Feet



0 100 200 300 400 miles  
1 inch stands for 294 miles



A cross section shows a slice of the land as seen from an angle. A map shows the land from straight above.



# What are hemispheres?

Like the earth, a globe is a **sphere**, meaning it is round like a ball.

- ◆ Any half of a sphere is called a **hemisphere**.
- ◆ The Equator divides the globe into halves called the **Northern** and **Southern Hemispheres**.
- ◆ The Prime Meridian and the 180° line divide the globe into **Eastern** and **Western Hemispheres**.

The Equator and the Prime Meridian are lines on the globe.



The Equator is between the North and South Poles.

The Northern Hemisphere is between the Equator and the North Pole.

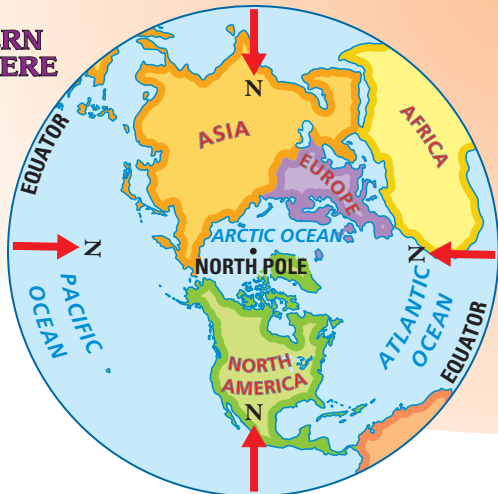
**NORTHERN HEMISPHERE**



**SOUTHERN HEMISPHERE**

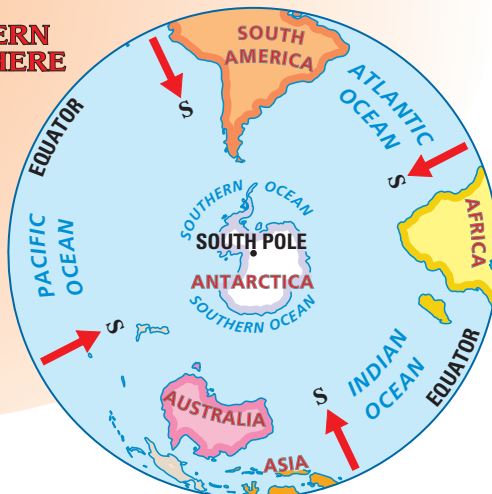
The Southern Hemisphere is between the Equator and the South Pole.

**NORTHERN HEMISPHERE**



In this view, you are looking down from above the North Pole.

**SOUTHERN HEMISPHERE**

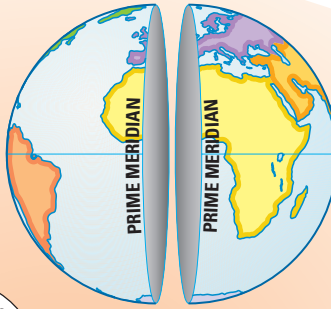


In this view, you are looking down from above the South Pole.



## WESTERN HEMISPHERE

The Western Hemisphere is west of the Prime Meridian.



## EASTERN HEMISPHERE

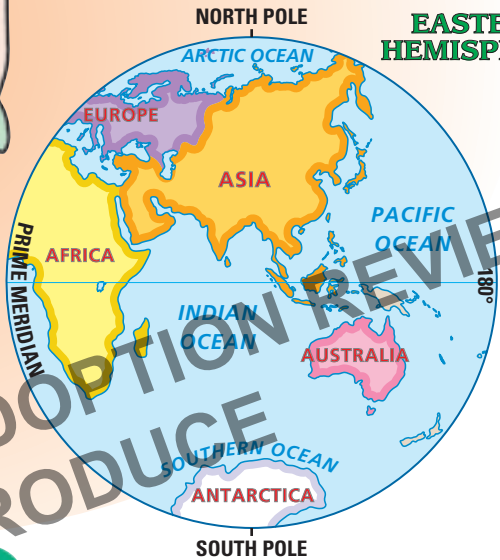
The Eastern Hemisphere is east of the Prime Meridian.

The Prime Meridian runs from North Pole to South Pole.

## WESTERN HEMISPHERE



## EASTERN HEMISPHERE

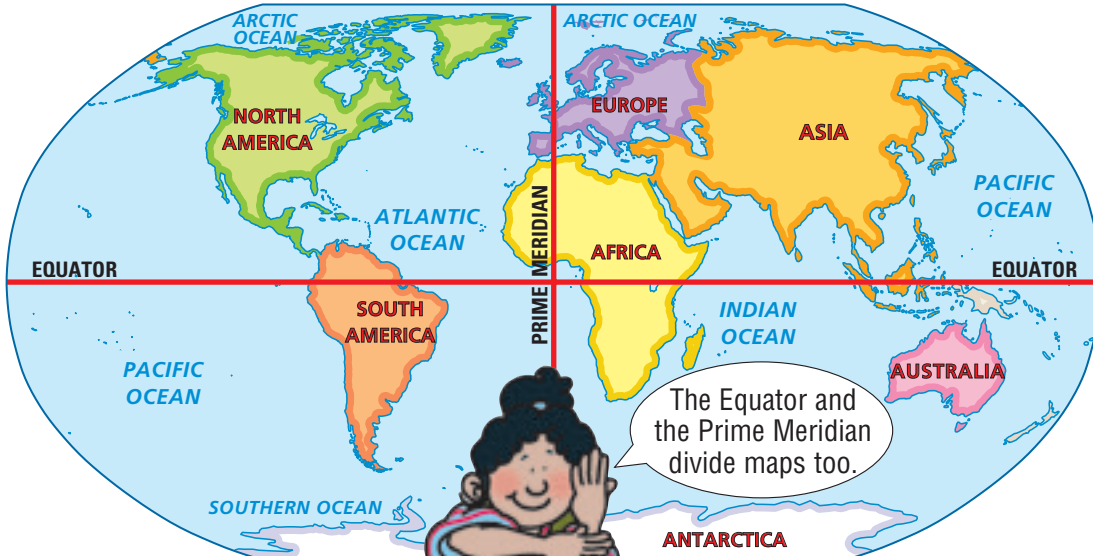


Which two continents are entirely in the Western Hemisphere?

Which five continents are mostly in the Eastern Hemisphere?

## WESTERN HEMISPHERE ← → EASTERN HEMISPHERE

NORTHERN HEMISPHERE  
↑  
↓  
SOUTHERN HEMISPHERE



NORTHERN HEMISPHERE  
↑  
↓  
SOUTHERN HEMISPHERE

WESTERN HEMISPHERE

EASTERN HEMISPHERE

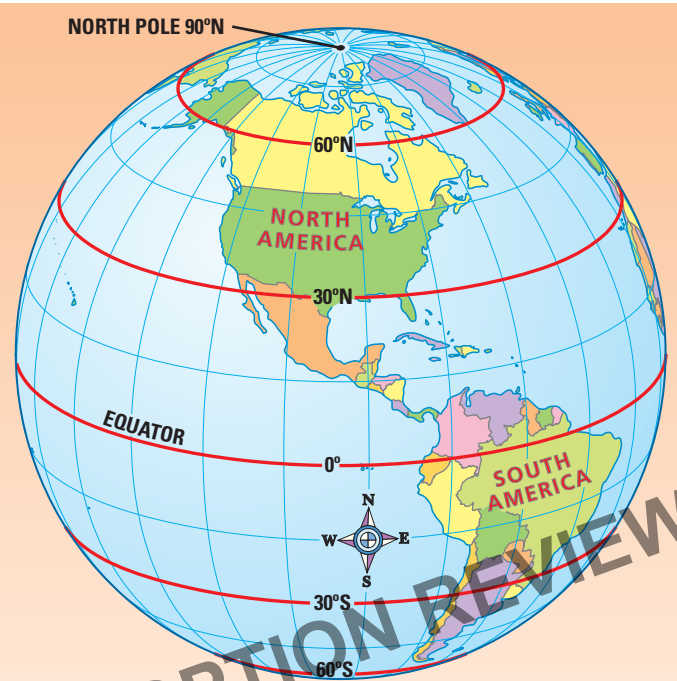
The Equator and the Prime Meridian divide maps too.



# What is latitude?

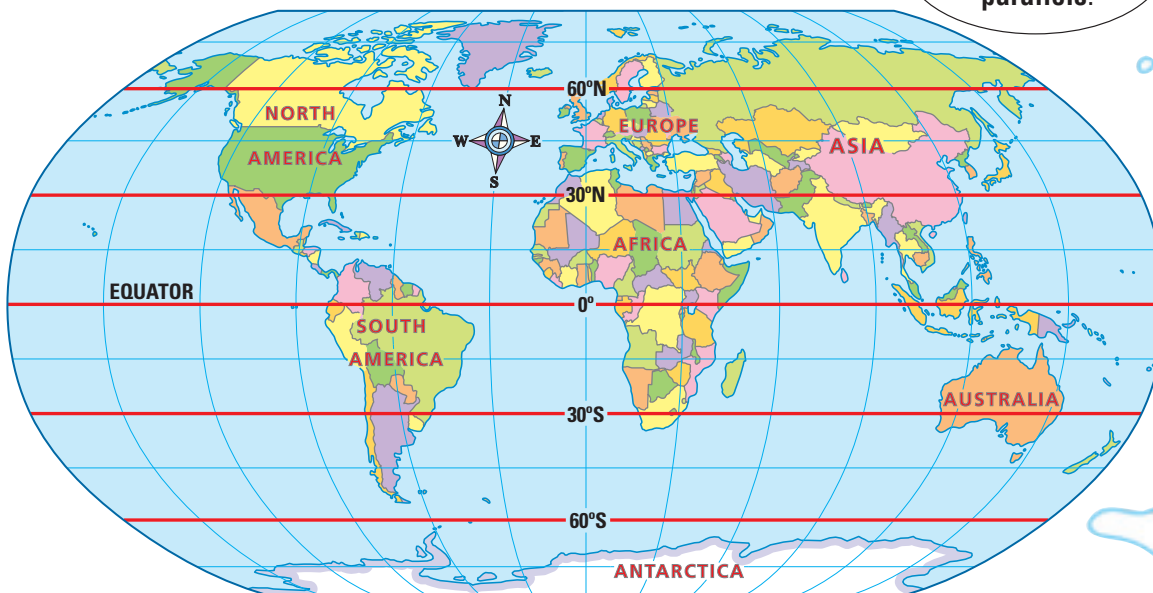
Maps and globes are divided with lines that run east and west.

- ◆ East-west lines are called lines of **latitude**.
- ◆ Latitude means distance north or south of the Equator. It is measured in **degrees**.
- ◆ The Equator is the line at **0° latitude**.



Latitudes are numbered from 0° to 90° north and from 0° to 90° south. The two poles are the highest latitudes.

Lines of latitude also are called **parallels**.



On the globe, latitude lines are circles. But on many world maps, they look like straight lines.

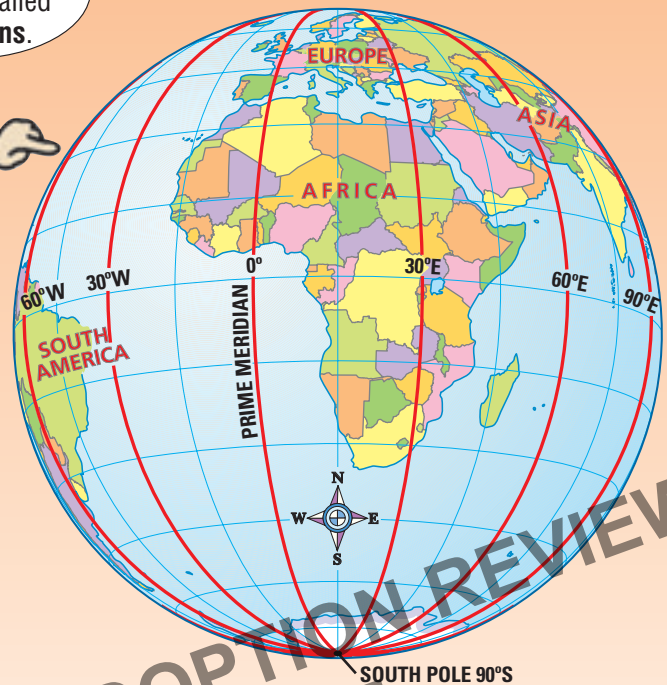
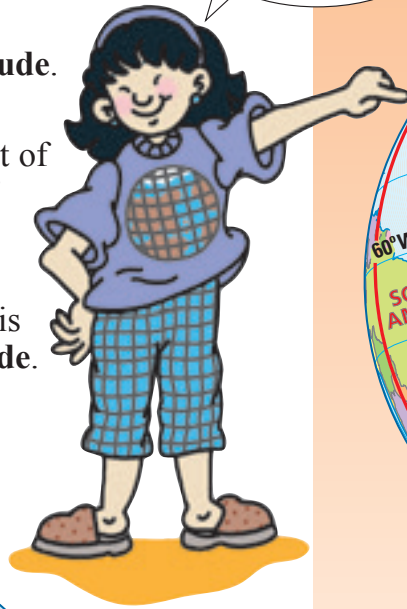


# What is longitude?

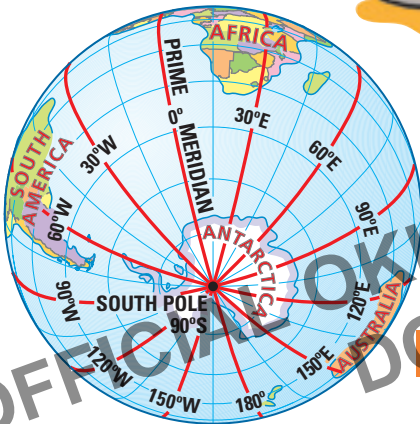
Maps and globes are divided with lines that run north and south.

Lines of longitude also are called **meridians**.

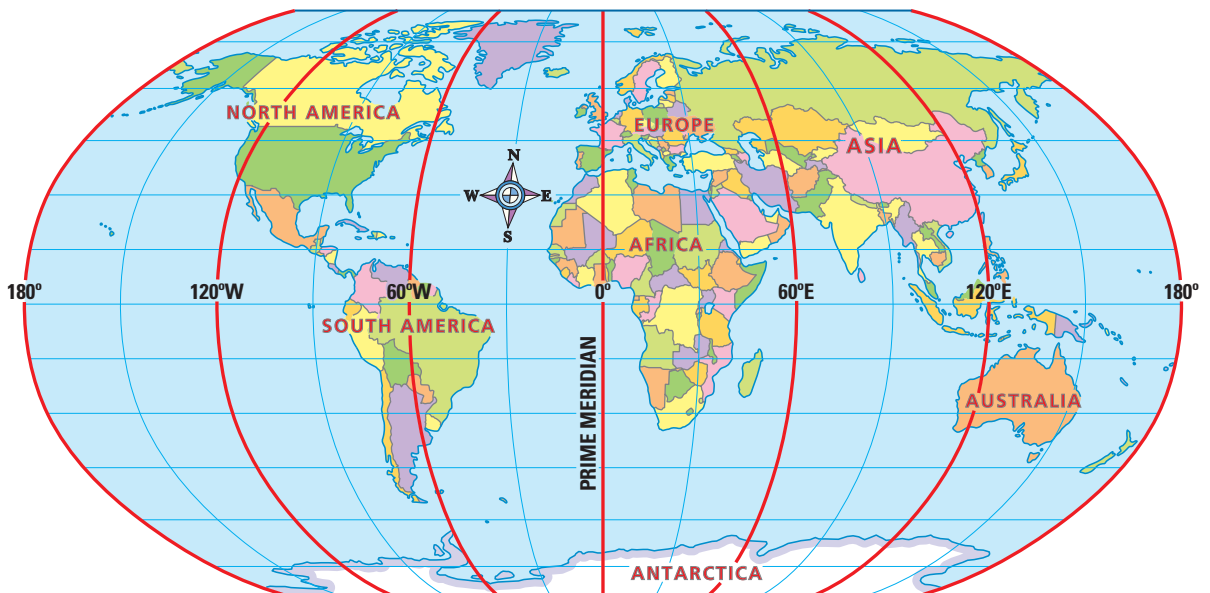
- ◆ North-south lines are called lines of **longitude**.
- ◆ Longitude means “distance east or west of the Prime Meridian.” Like latitude, it is measured in degrees.
- ◆ The Prime Meridian is the line at **0° longitude**.



Longitudes are numbered from 0° east to 180° and from 0° west to 180°.



Longitude lines meet at both poles.



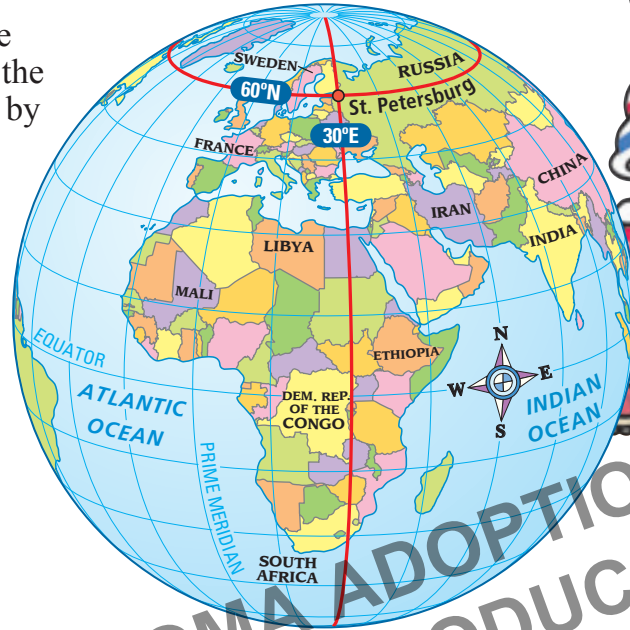
Most world maps cannot show how longitude lines meet at the poles.



# How do you use the grid system?

Latitude and longitude lines give a map or globe a **grid system** for locating places.

- ◆ Each line of latitude crosses each line of longitude at just one point.
- ◆ The **global address** of the point where they cross is the latitude number followed by longitude number.
- ◆ Every place in the world has a global address, because the world is covered with imaginary grid lines.



A global address always gives latitude first.



Many globes have a 15° grid, showing grid lines that are 15° apart.

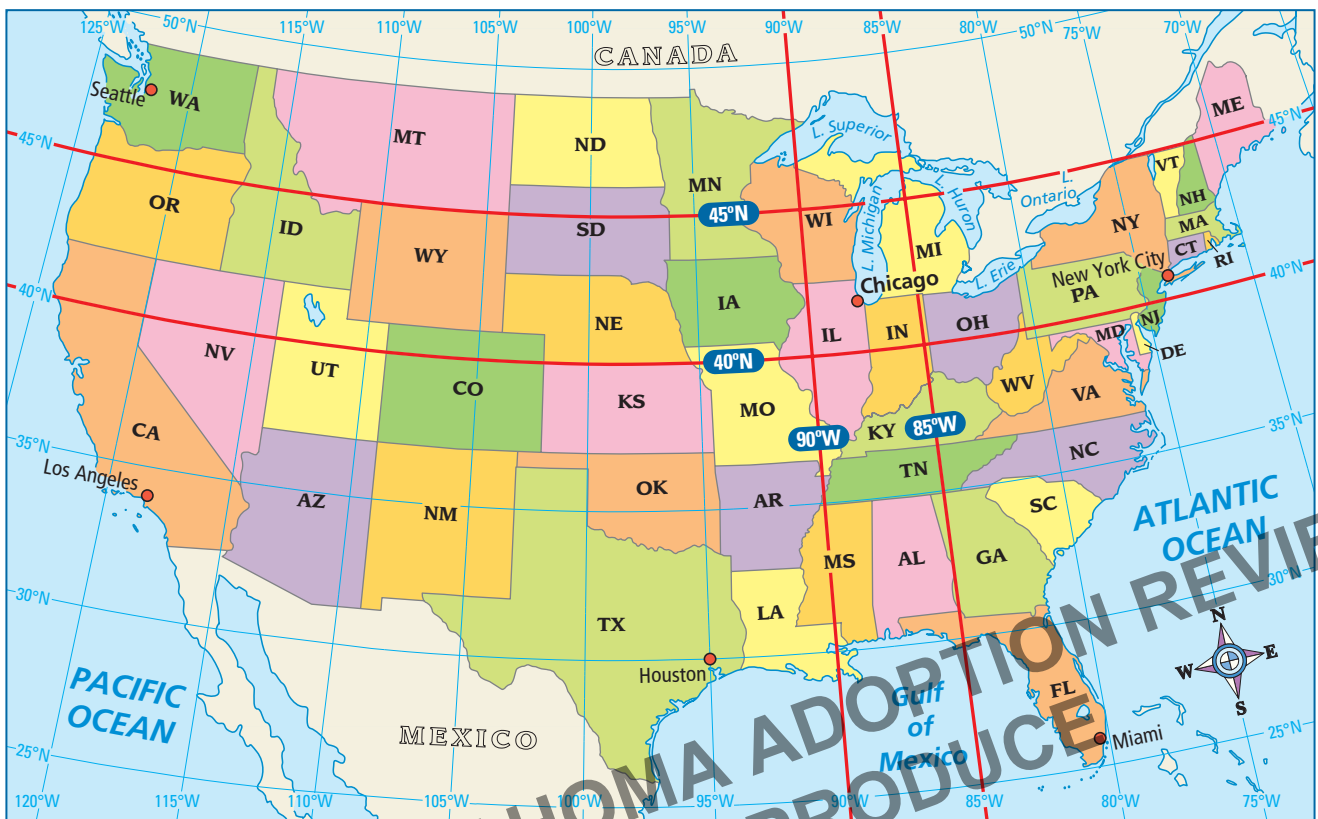


The 60°N latitude line and the 30°E longitude line cross at St. Petersburg, in Russia.



The global address of St. Petersburg, Russia, is 60°N, 30°E. Find it above.





Many maps of the United States have a 5° grid. Most cities are not located at places where these grid lines cross.



Chicago is located on grid lines between the ones shown on the U.S. map. If you drew the missing lines, the map would look like this.



Chicago's global address is 42°N, 88°W. Find it on the map to the left.



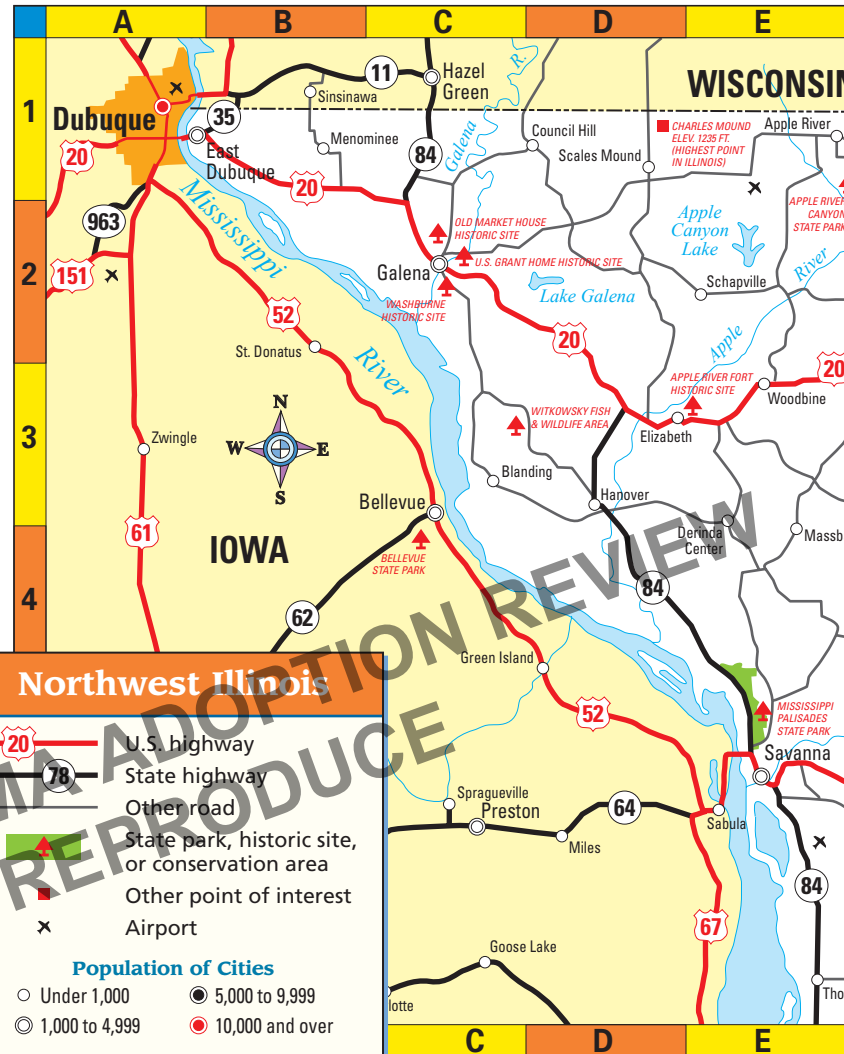
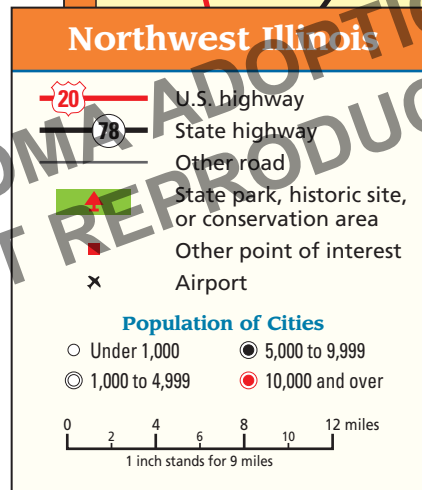
# How do you use a road map?

Road maps show where places are and what roads lead to them.

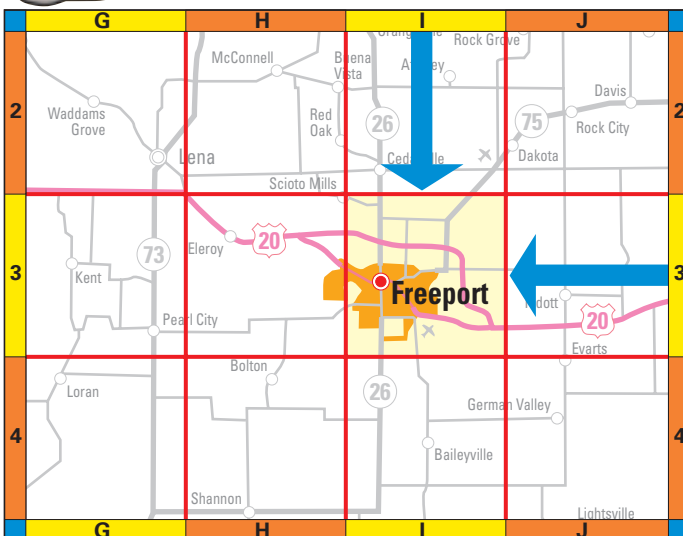
- ◆ Road maps have an **alphanumeric grid**, meaning “letters and numbers.”
- ◆ Letters along one edge and numbers along another edge divide the map into imaginary squares.
- ◆ Every place on the map is located within one of the squares.



Imagine the map divided into squares.



**A** Freeport is located in square I-3 as shown below.



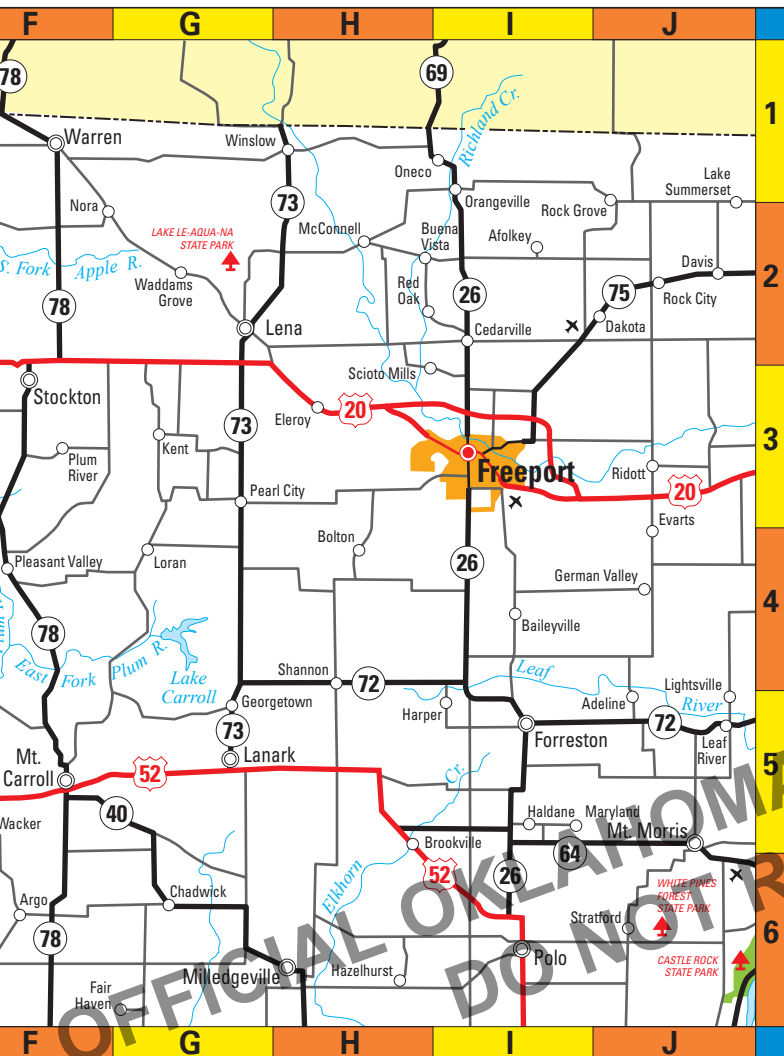
**B** Mt. Carroll is located in square F-5. Here's how to find it on the map above.

**1** First point to the F with your left hand and to the 5 with your right hand.

**2** Now slide your F finger south and your 5 finger west until they meet.

**3** Mt. Carroll should be under your fingers or nearby.





**C** Which roads would you take?

From Freeport (I-3) to  
Stockton (F-3)

From Galena (C-2) to  
Savanna (E-5)

From Lena (G-2) to  
Mt. Morris (J-5)



Mississippi Palisades State Park is in square E-5.

What map  
symbol marks the  
place shown  
here?





# H

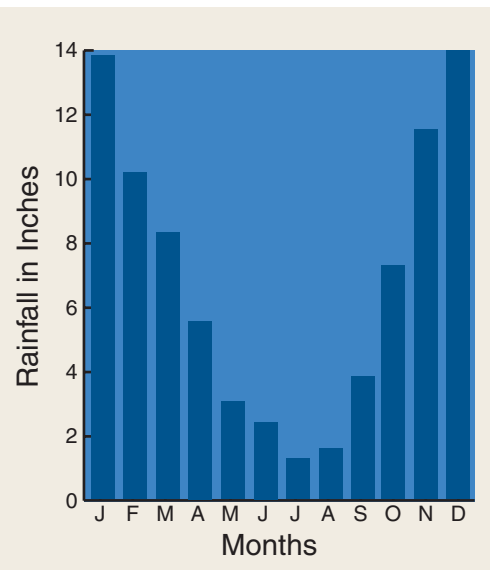
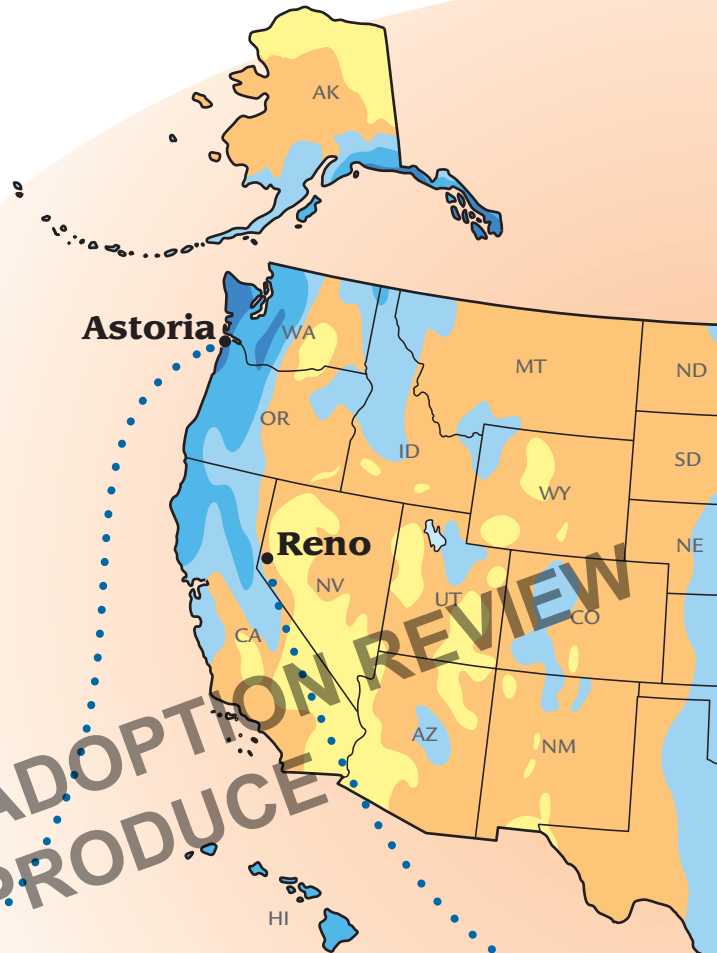
# ow do you read a rainfall map?

A rainfall map shows how much rain falls in different regions.

- ◆ Colors on the map stand for **annual rainfall**, the amount of rain that falls in an average year.
- ◆ Shades of blue show where there is plenty of rain.
- ◆ Orange and yellow show places that are dry.



Water from melted hail, sleet, and snow is counted as rainfall. Ten inches of snow count as one inch of rain.



## Rainfall in Astoria, OR . . .

The blue bars on this graph show how much rain falls in each month.

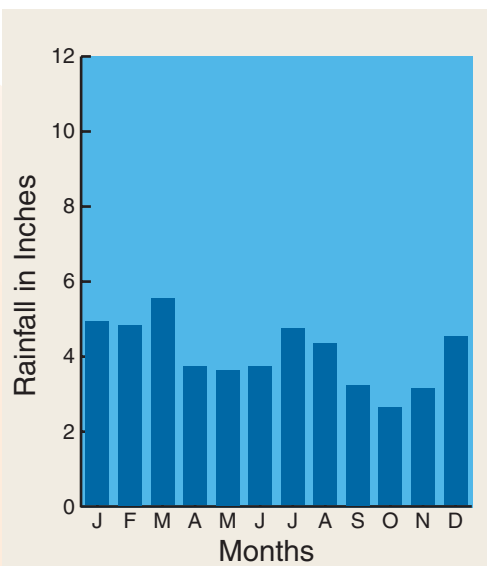
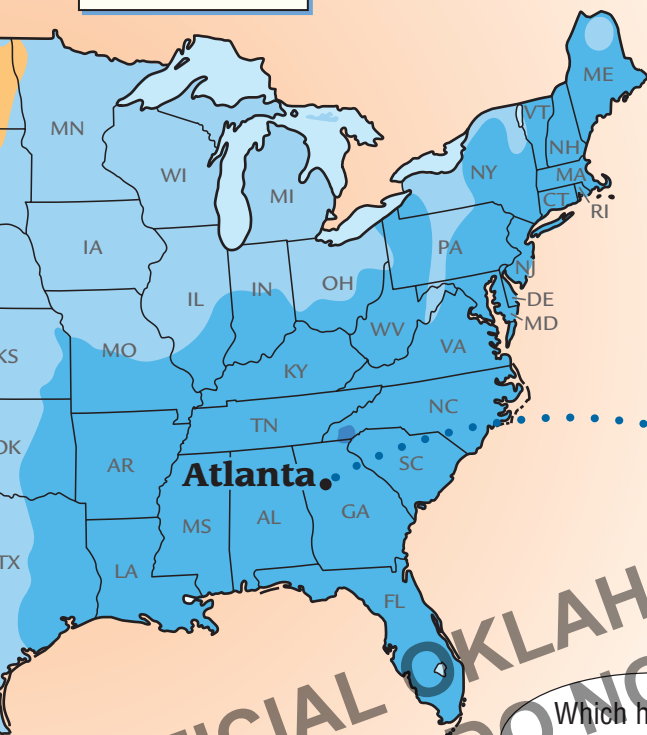


Reno is mainly dry, but which season is wetter than the others?



## Rainfall

### Inches per year



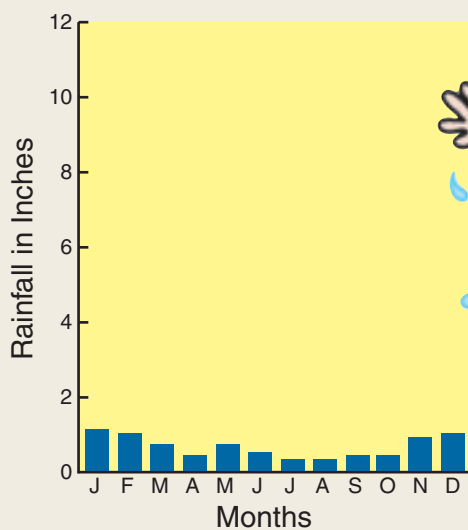
Rainfall is measured in a **rain gauge**.



### Rainfall in Atlanta, GA

Compare this graph to the others. What are the wettest months in each place?

Which half of the country gets more rain—East or West?



### Rainfall in Reno, NV

Compare this graph to the Astoria graph. Which months are similar? Which are different?



According to the map, how much rain falls on Atlanta?



# H

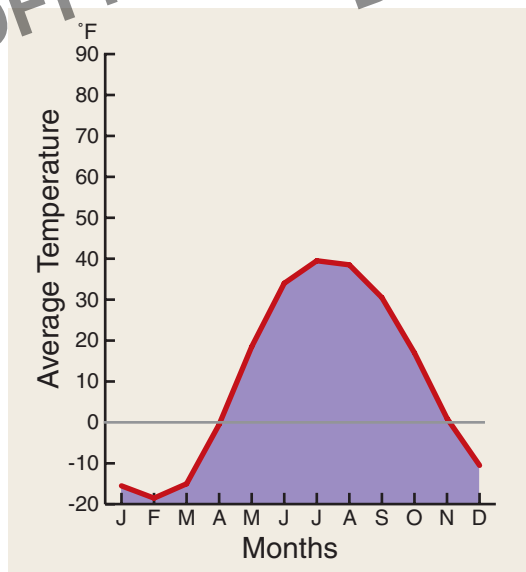
# ow do you read a temperature map?

A temperature map shows seasonal patterns in different regions.

- ◆ On this map, cool colors (blue and green) show where winters are cold.
- ◆ Warm colors (yellow, orange, and red) show where winters are warmer.
- ◆ Some places are always hot, and others are always cold, but most places change from season to season.
- ◆ In places with seasons, winters and summers differ the most.

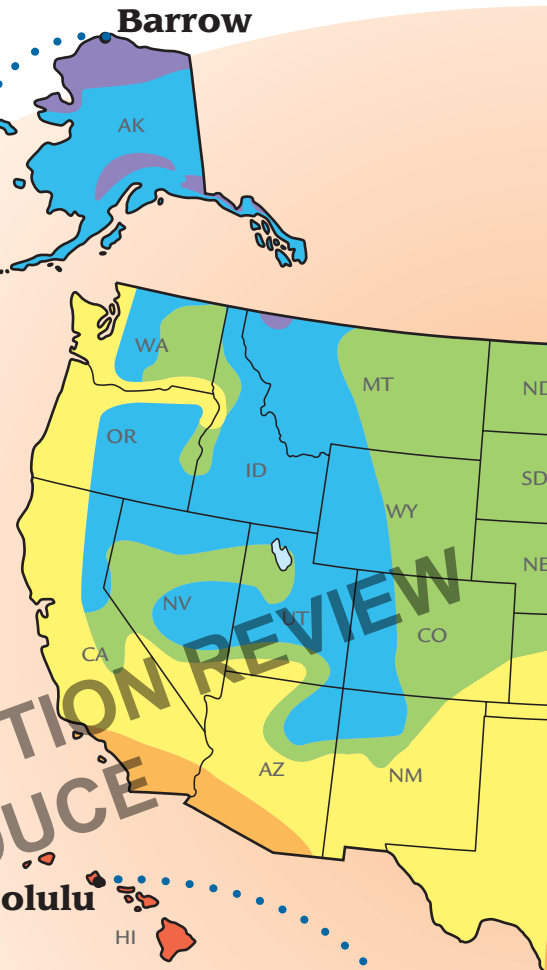


Northern Alaska's summer is not as cold as its winter, but it is still too cold for most plants.



## Temperatures in Barrow, AK Latitude 71°N

Compare the three graphs. Which city has the highest latitude number? Which city has the coolest summer?



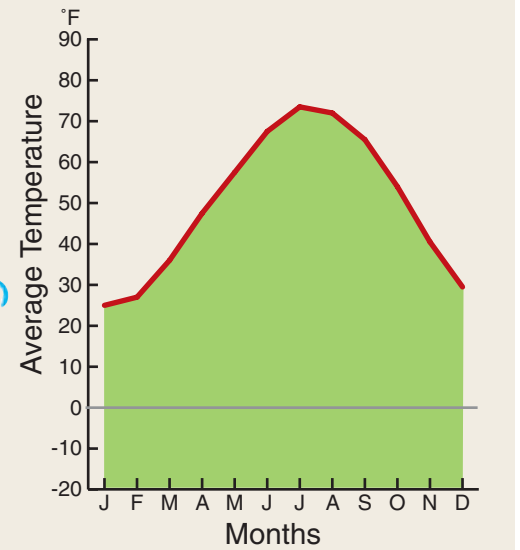
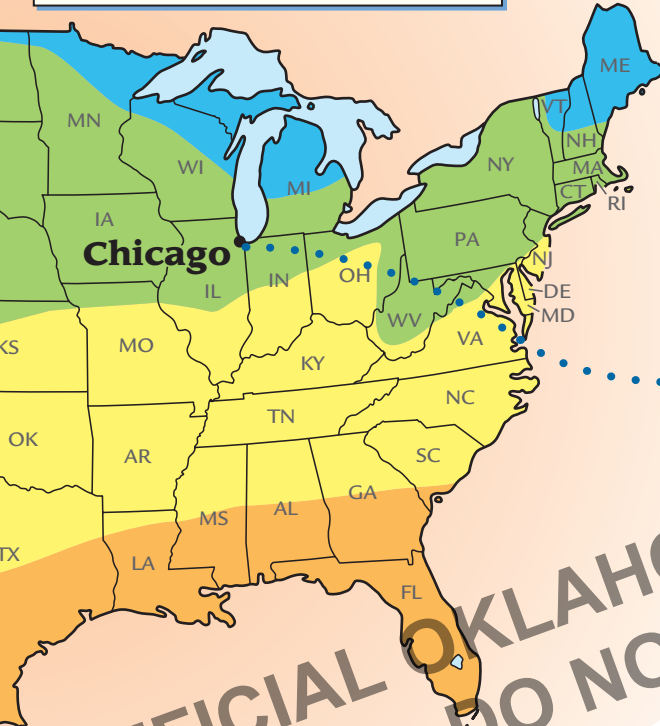
Honolulu's beaches have plenty of swimmers anytime of the year.



Temperatures get cooler as latitudes and elevations get higher.

## Temperature

- |   |   |
|---|---|
|  Always cold                |  Always hot                |
|  Cold winters, warm summers |  Warm winters, hot summers |
|  Cold winters, hot summers  |  Cool winters, hot summers |

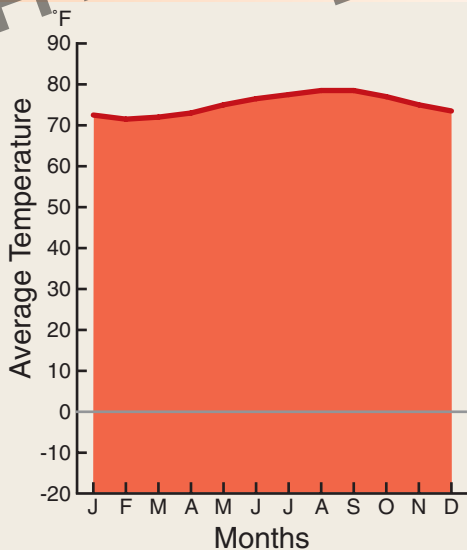


### Temperatures in Chicago, IL Latitude 42°N

Average temperatures combine high and low temperatures. Highs are hotter than the average. Lows are colder.



Not all years are average. Chicago's winters can be as cold as Barrow's, and its summers hotter than Honolulu's.



### Temperatures in Honolulu, HI Latitude 21°N

According to the graph, would Honolulu's winter feel much different from its summer?

Which temperature region do you live in?





# How does a map show climate?

The climate of a place is the weather it has season by season, year after year.

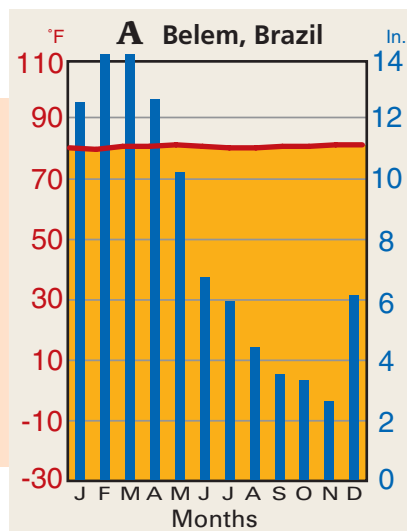
- ◆ Rainfall and temperature are climate's main ingredients.
- ◆ Climate is affected by elevation, distance from the ocean, and latitude.
- ◆ The closer a region is to the Equator, the warmer it is.
- ◆ The closer a region is to the North Pole or South Pole, the colder it is.

The map categories are explained below the climographs.

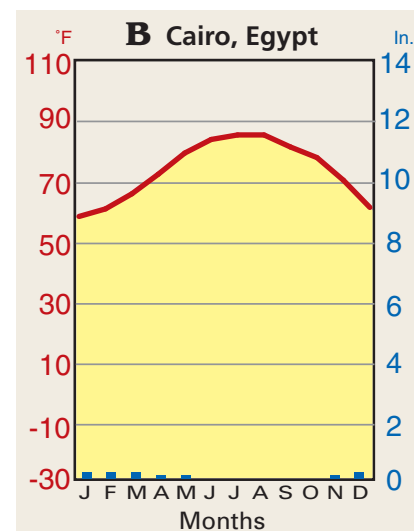


## Climographs

- ABCs show map locations.
- Colors match climate regions on the map.
- Curved lines show temperatures.
- Bars show rainfall.



**Tropical**  
Rainy most or all of the year.  
Hot all year.



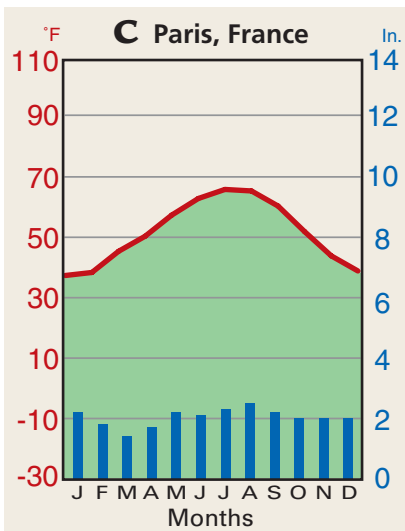
**Dry**  
Dry most or all of the year. Hot summers, cold to warm winters.



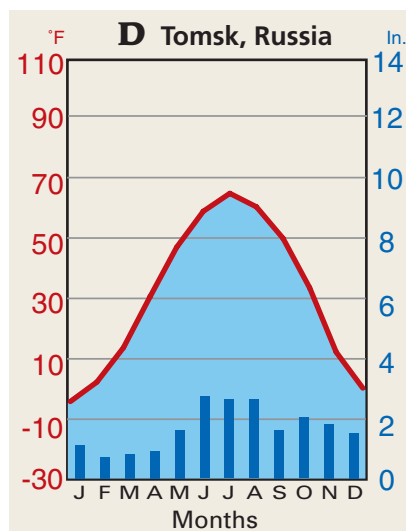


Name the two "Circles" that border the polar regions. Name the two "Tropics" that border the tropical regions.

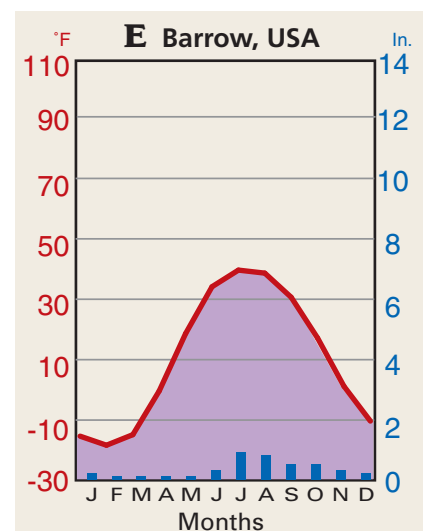
Highland climates vary greatly with elevation.



**Mild**  
 Wet in winter or all year. Warm to hot summers, cool winters.



**Continental**  
 Wet summers. Warm to hot summers, cold winters.



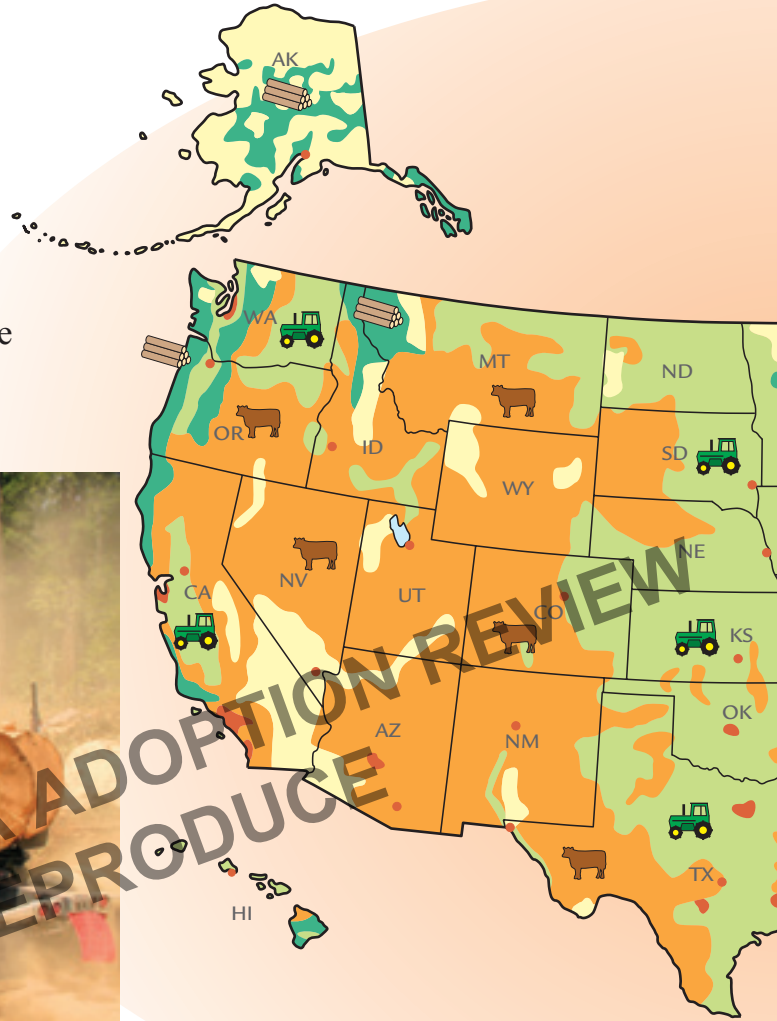
**Polar**  
 Dry all year. Cool to very cold all year.



# How do you read a land use map?

A **major land use** map shows the most common or widespread use of the land across large areas.

- ◆ The map colors and picture symbols show big patterns of land use.
- ◆ In each area, there are other uses, but they are not as common as the one shown.
- ◆ Even in areas with no widespread use, there are scattered activities and clusters of people.



**Forestry** means cutting trees and turning them into lumber for building, wood pulp for paper, and many other products.



**Ranching** is raising large herds of livestock, such as cattle or sheep, on open grazing land.

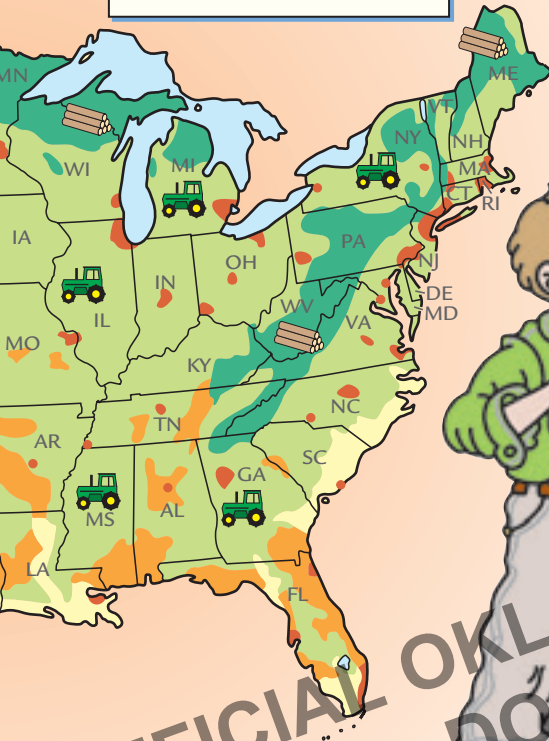


**Urban areas** include the big cities where much of our manufacturing and business take place.



## Major Land Use

-  Urban area
-  No widespread use
-  Farming
-  Ranching
-  Forestry



Farming also means tree crops like oranges.



**Farming** means growing crops, such as cotton or corn, and raising livestock, such as chickens or pigs.



**No widespread use** is found where few people live because it is too wet, dry, cold, or rugged.



Urban areas also include **suburbs** and small towns that connect with each other and the big cities.



National parks have many visitors but no widespread use.



# How do you read a population map?

A population map shows which regions have many people and which have few.

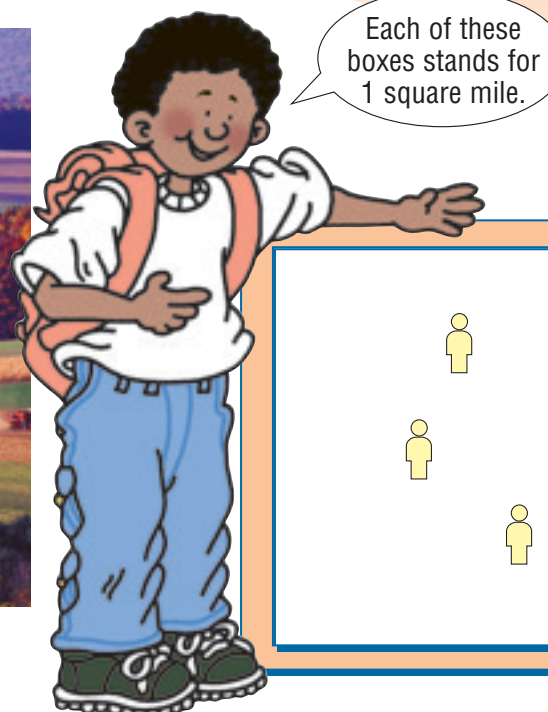
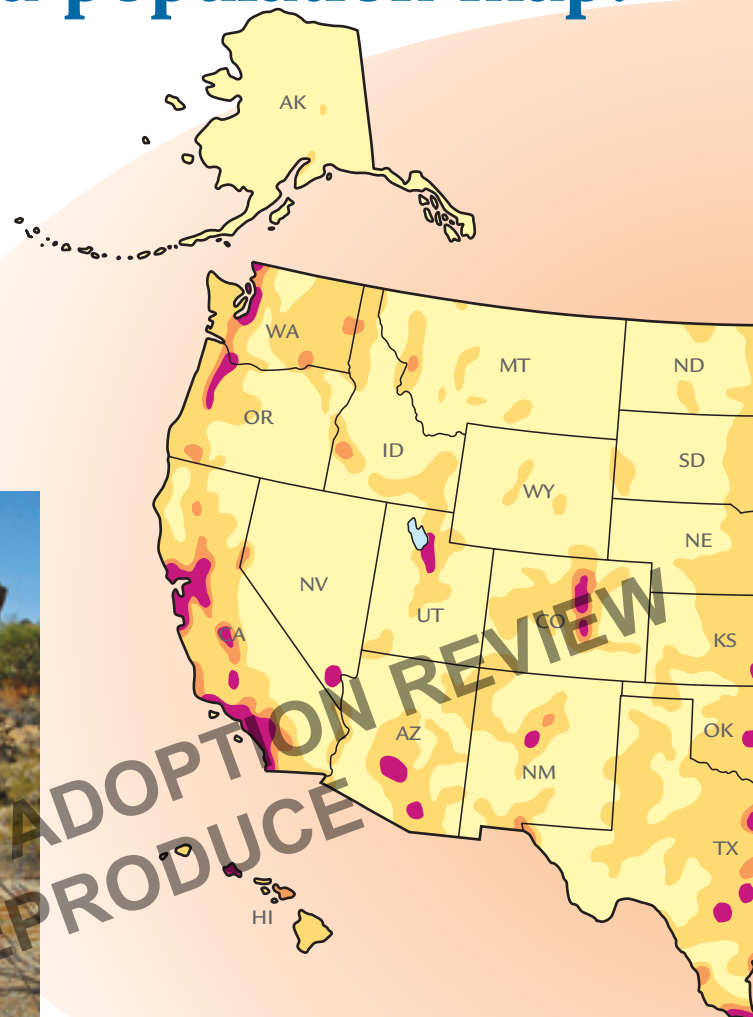
- ◆ Colors on the map stand for population **density**, the number of people per square mile.
- ◆ Regions with many people per square mile have a high population density.
- ◆ Regions with few people have a low population density.



Areas that are dry, cold, or mountainous often have a low population density.



Farming areas in the United States have a scattered population and moderately low population density.

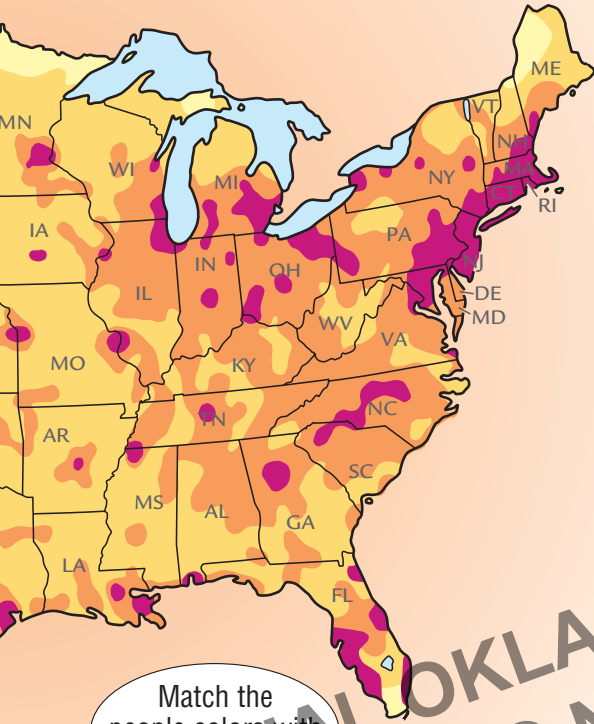




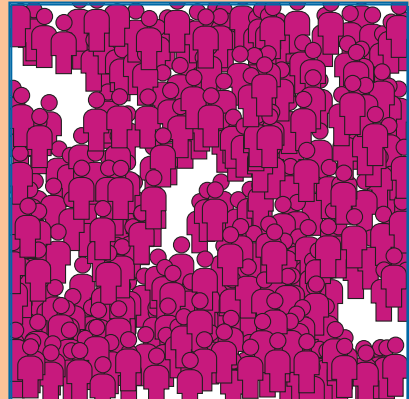
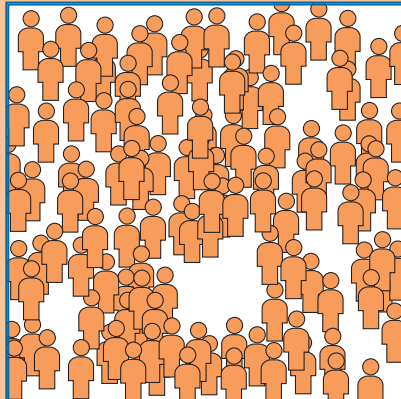
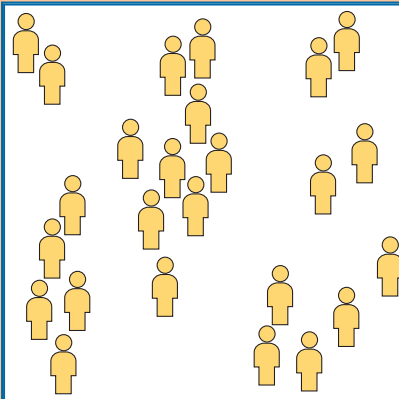
## Population

People per sq. mile

- 0 to 5
- 5 to 50
- 50 to 250
- Over 250



Match the people colors with the map colors.



Areas can have a high population density and still have large open spaces.



Big cities and their suburbs have the highest population density.



# H

## ow do you read a time zone map?

A time zone map of the United States shows differences in time from zone to zone.

- ◆ The United States is divided into six time zones.
- ◆ Some states have more than one time zone, but no cities do.
- ◆ It is one hour *later* in the next zone to the *east*.
- ◆ It is one hour *earlier* in the next zone to the *west*.



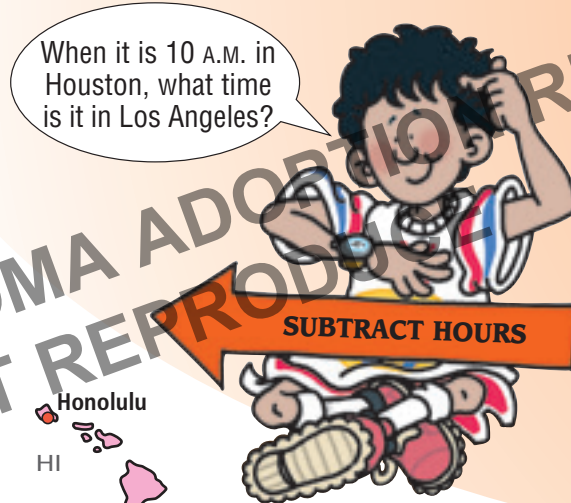
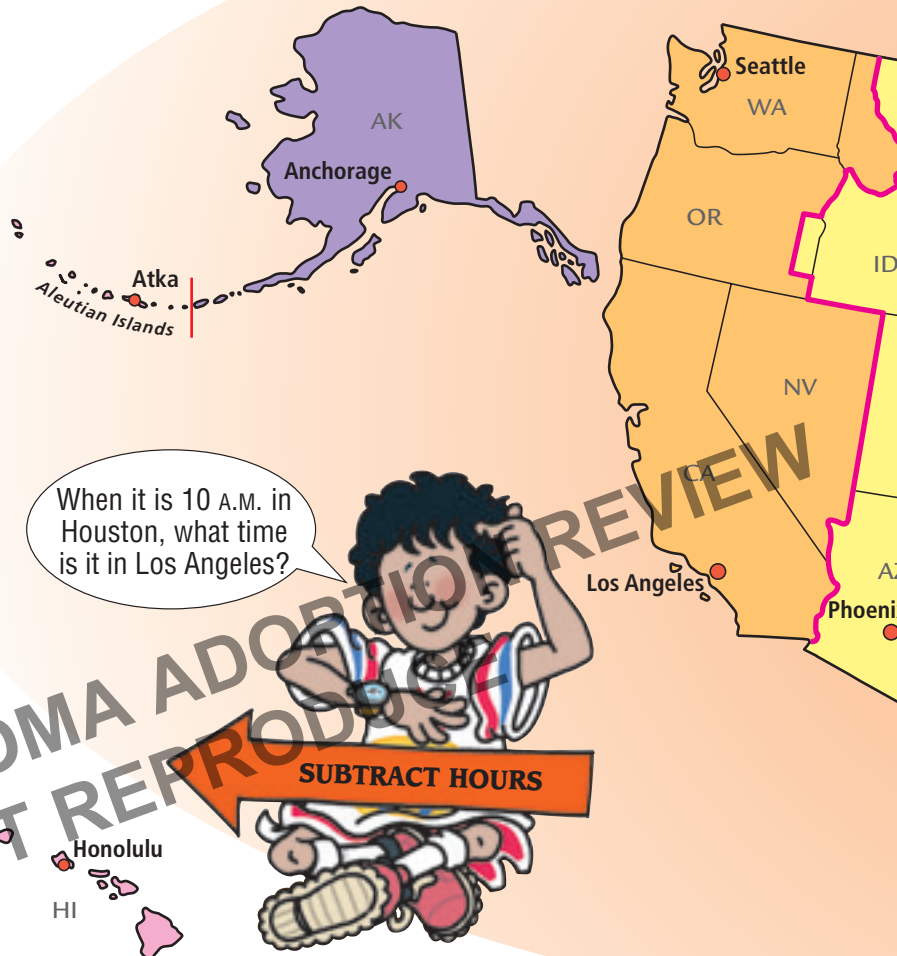
6:00 A.M. Hawaii-Aleutian Time



7:00 A.M. Alaska Time



8:00 A.M. Pacific Time



6:00 A.M. Hawaii-Aleutian Time



In Hawaii, most students are still in bed. But it is later in the morning in other time zones.



9:00 A.M. Mountain Time



Students in this zone are just arriving at school.





9:00 A.M.  
Mountain Time



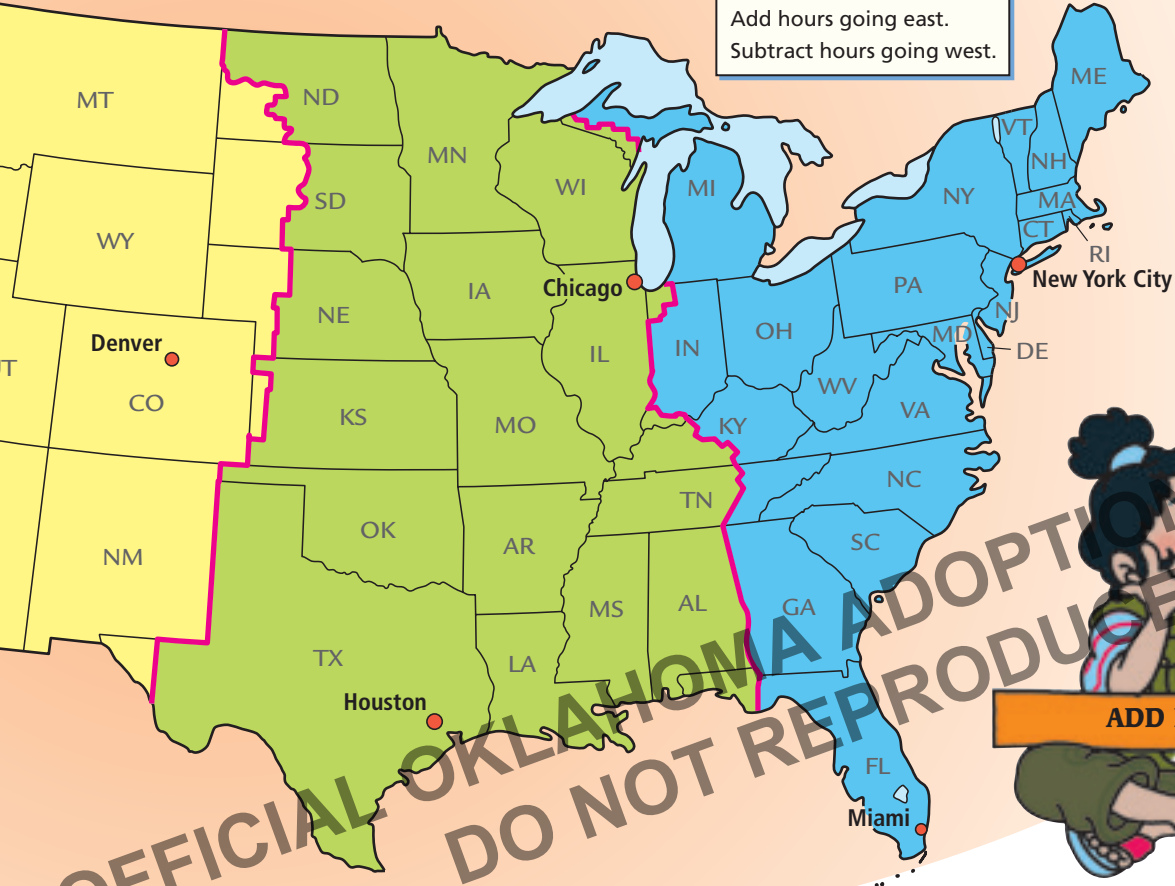
10:00 A.M.  
Central Time



11:00 A.M.  
Eastern Time

### Time Zones

Add hours going east.  
Subtract hours going west.



When it is 11 A.M.  
in Seattle, what  
time is it in Miami?

ADD HOURS



11:00 A.M.  
Eastern Time



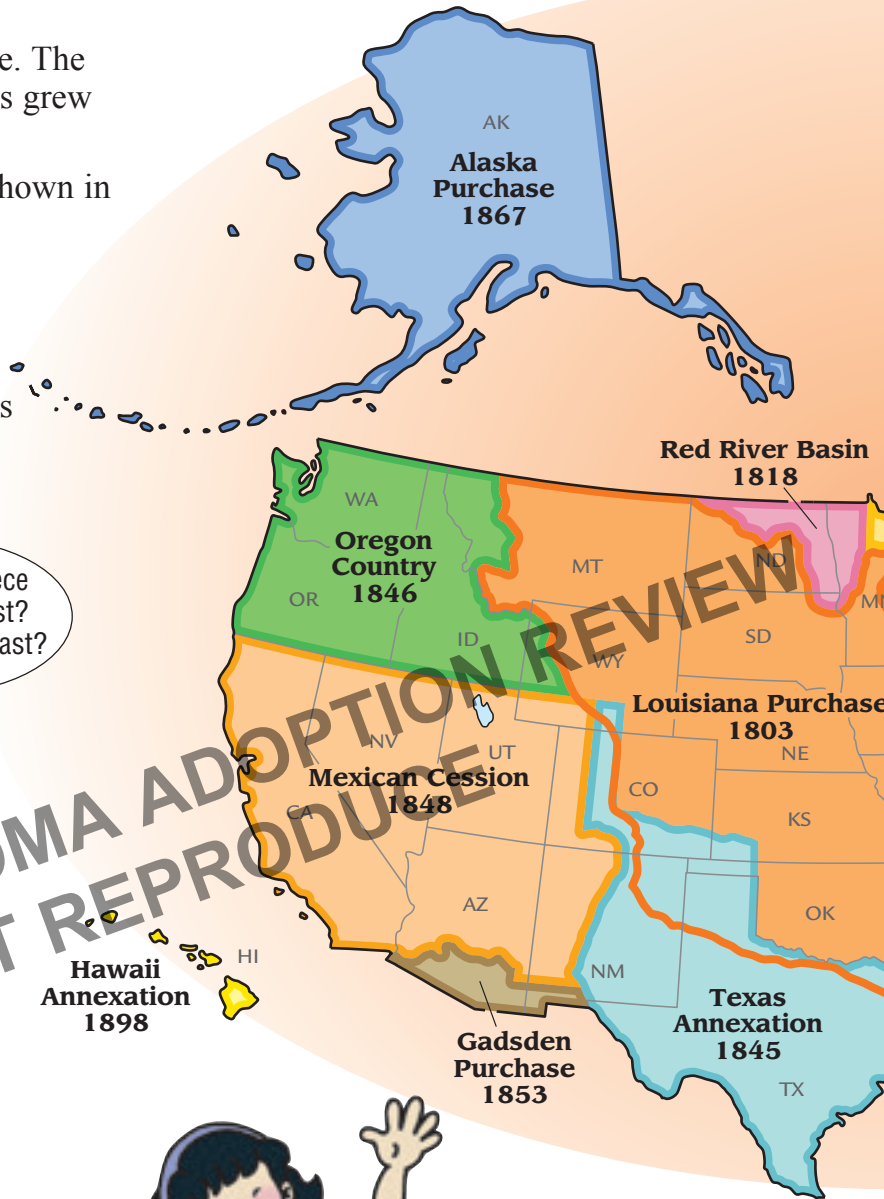
In this time zone, students have been in class for hours.  
Soon they will be going to lunch.



# How do you read a history map?

History maps help us see change over time. The example here shows how the United States grew from 1776 to 1898.

- ◆ Each territory added to the country is shown in a different color.
- ◆ The label tells what the territory was called, and the date tells when it was added.
- ◆ The map includes boundaries of today's states to show which ones were later carved from each territory.



Which new piece was the biggest?  
Which was the last?

You also can show these changes on a timeline.

## Growth Over Time

1776

Declaration of Independence is signed.

1803

Louisiana Purchase doubles the country's size.

1818

Red River Basin is added.

1775

1800

1825

1783

New lands are won in Revolutionary War.

1819

Florida is turned over by Spain.



Which states were carved out of the Louisiana Purchase?

## Growth of the United States

**1803** Year land was gained  
ND State abbreviation  
Map shows boundaries of today.

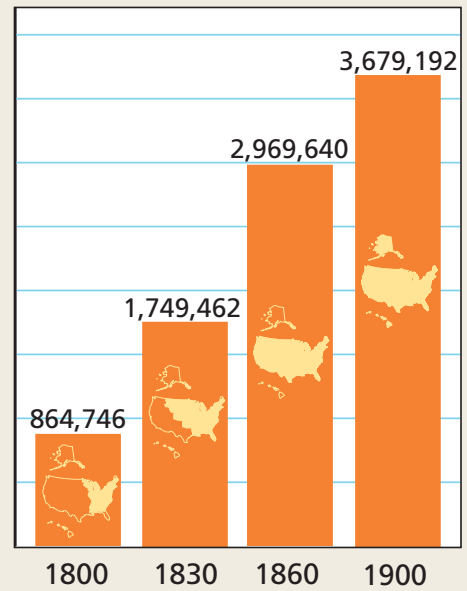
0 100 200 300 400 500 600 miles  
1 inch stands for 445 miles



Northern Maine  
1842



Area in Square Miles



## Growth in Area

The United States doubled in size between 1800 and 1830, and again between 1830 and 1900.



Throughout the 1800s, Americans moved to new states and territories. What was the main direction of the country's expansion?

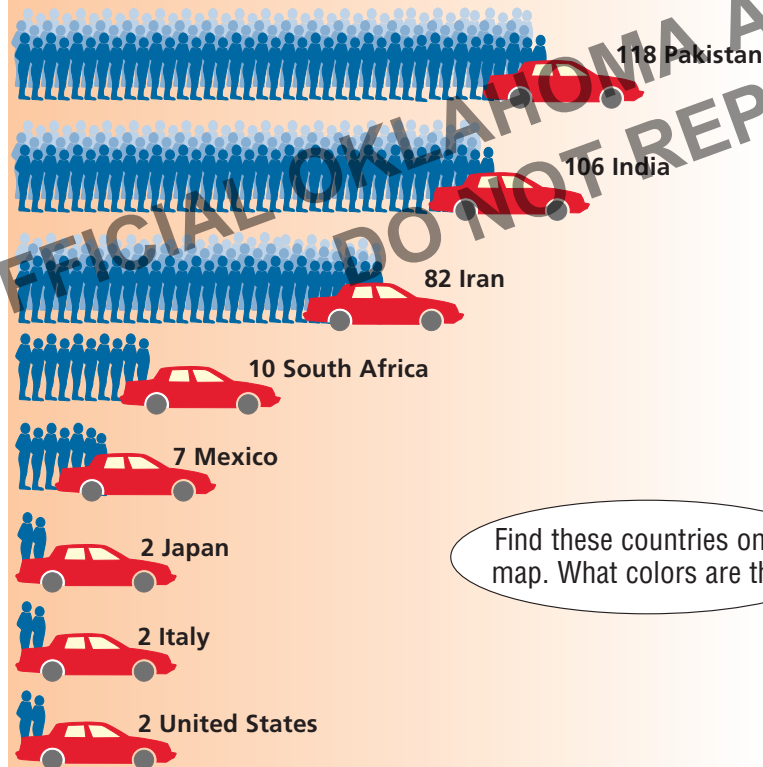
1845 Texas is taken over by the U.S.	1846 Oregon Country fills in the Northwest.	1853 Gadsden Purchase completes the country's basic shape.	1867 Alaska is bought from Russia.	1898 Hawaiian Islands are annexed (taken over).
1842 Northern Maine is turned over by Britain.	1848 Mexican Cession fills in the Southwest.			



# How do you read an economic map?

Maps can compare the economic strength or wealth of countries in many ways. As a simple measure of wealth, this map uses cars.

- ◆ People everywhere want cars, but not everyone can afford them.
- ◆ In wealthy countries, many people own expensive goods like cars. There may be almost as many cars as people.
- ◆ In poorer countries, there are a lot more people than cars.



Find these countries on the map. What colors are they?



## People per Car

A graph also can show economic strength. This one compares the number of people per car in several countries.





Name some countries in the same category as the United States.



In wealthy countries, an average family can afford a car. Many families own more than one.



In poor countries, there are many families who cannot afford any kind of car.



# Which regions will you explore?

The United States can be divided into any number of regions.

- ◆ Rainfall, temperature, and climate define regions.
- ◆ Time zones are regions too, and so are the territories on a history map.
- ◆ Other regions are based on landforms or bodies of water.
- ◆ On the following pages, the United States is divided into regions that are groups of neighboring states.

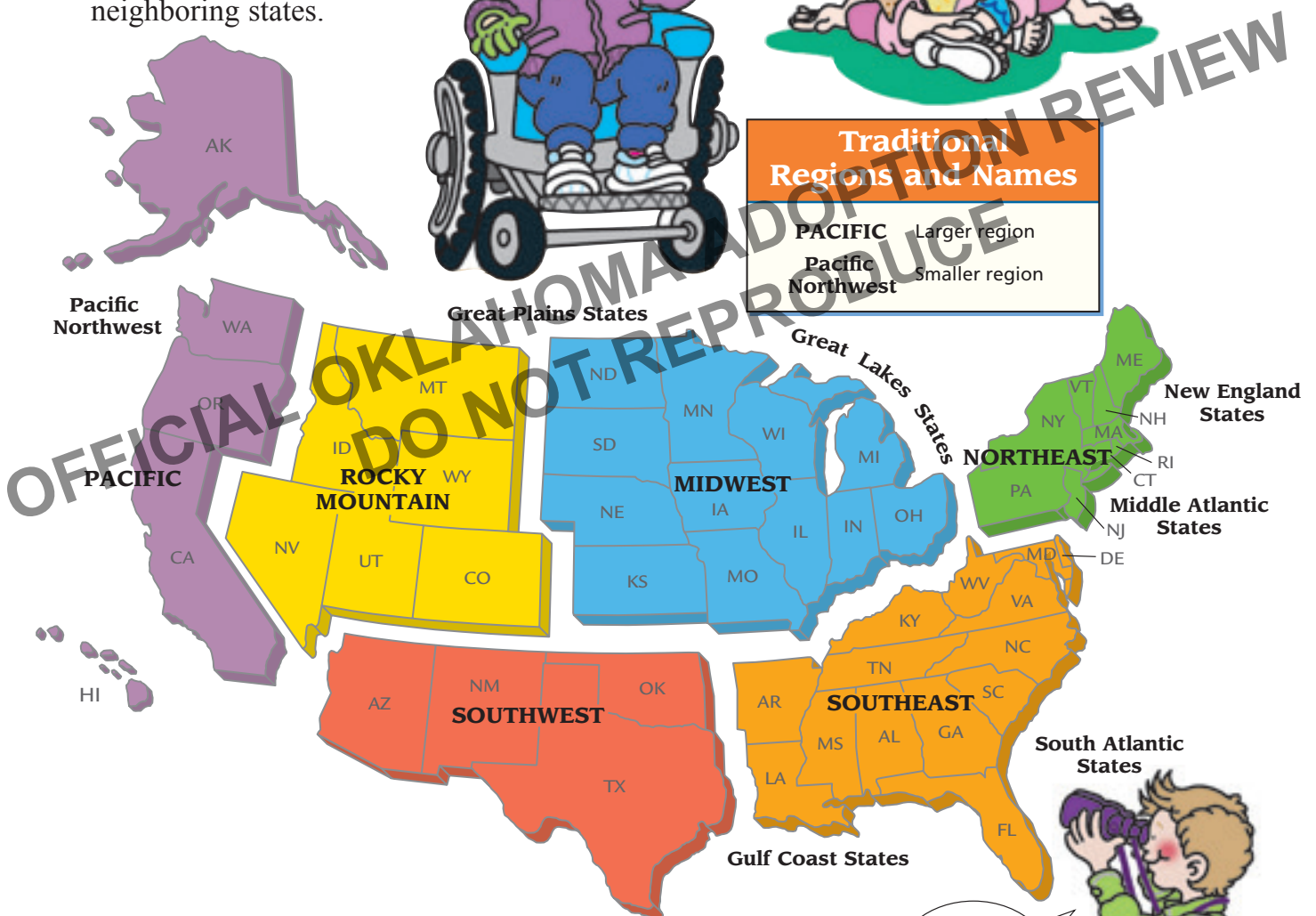
States can be in more than one region.

Find some examples on the map below.



## Traditional Regions and Names

**PACIFIC** Larger region  
Pacific Northwest Smaller region

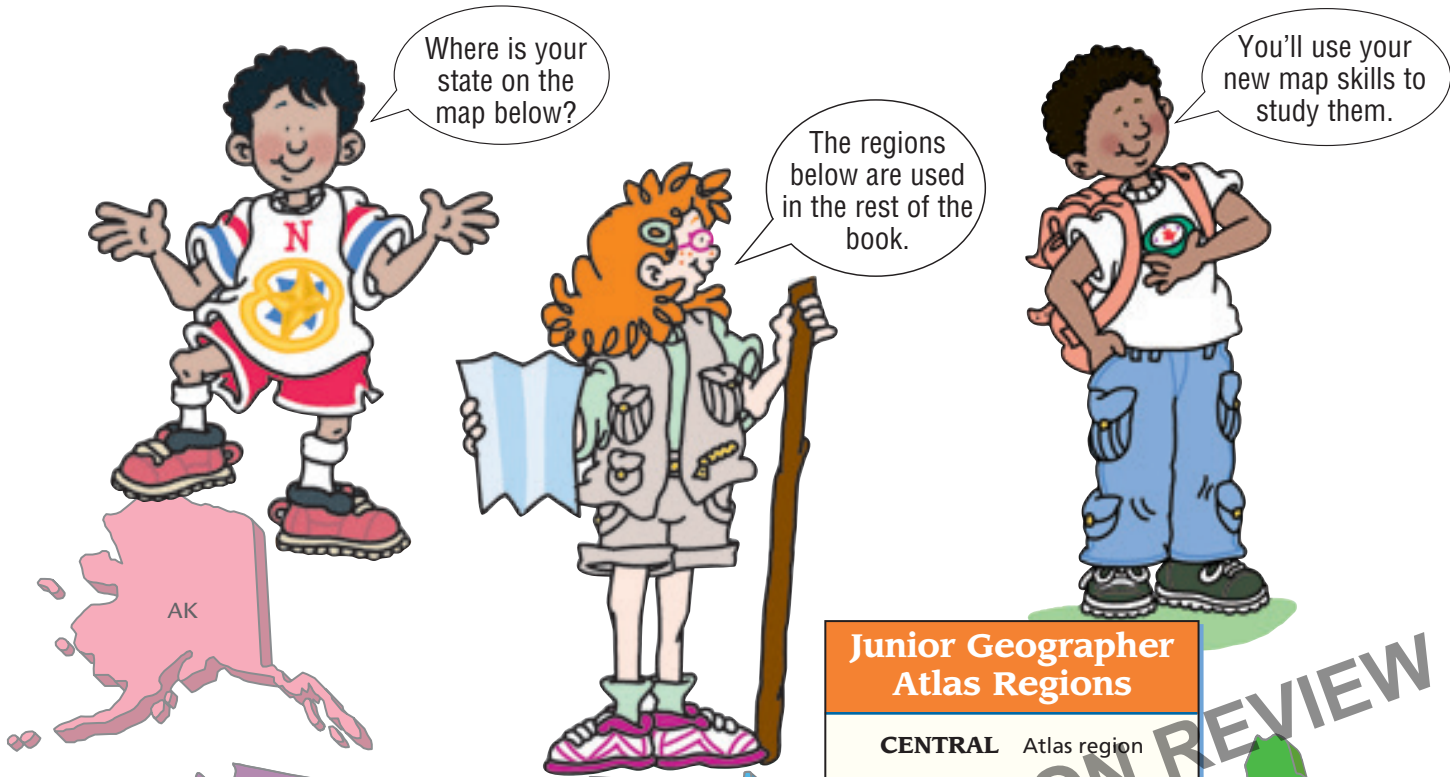


Several traditional regions and their names are shown here. The most general region names are in all capital letters. Names of smaller regions within or straddling the general regions are in capital and lowercase letters.

Find your own state on this map.

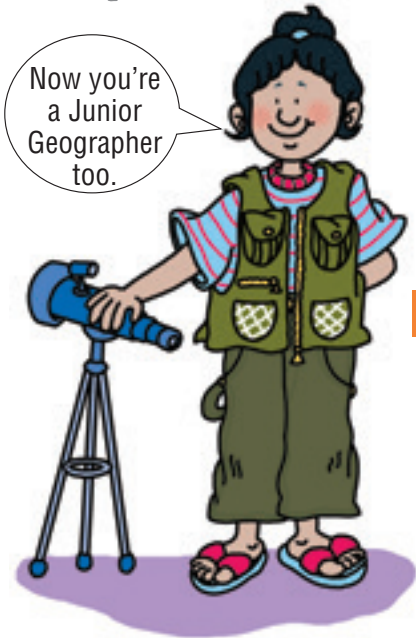
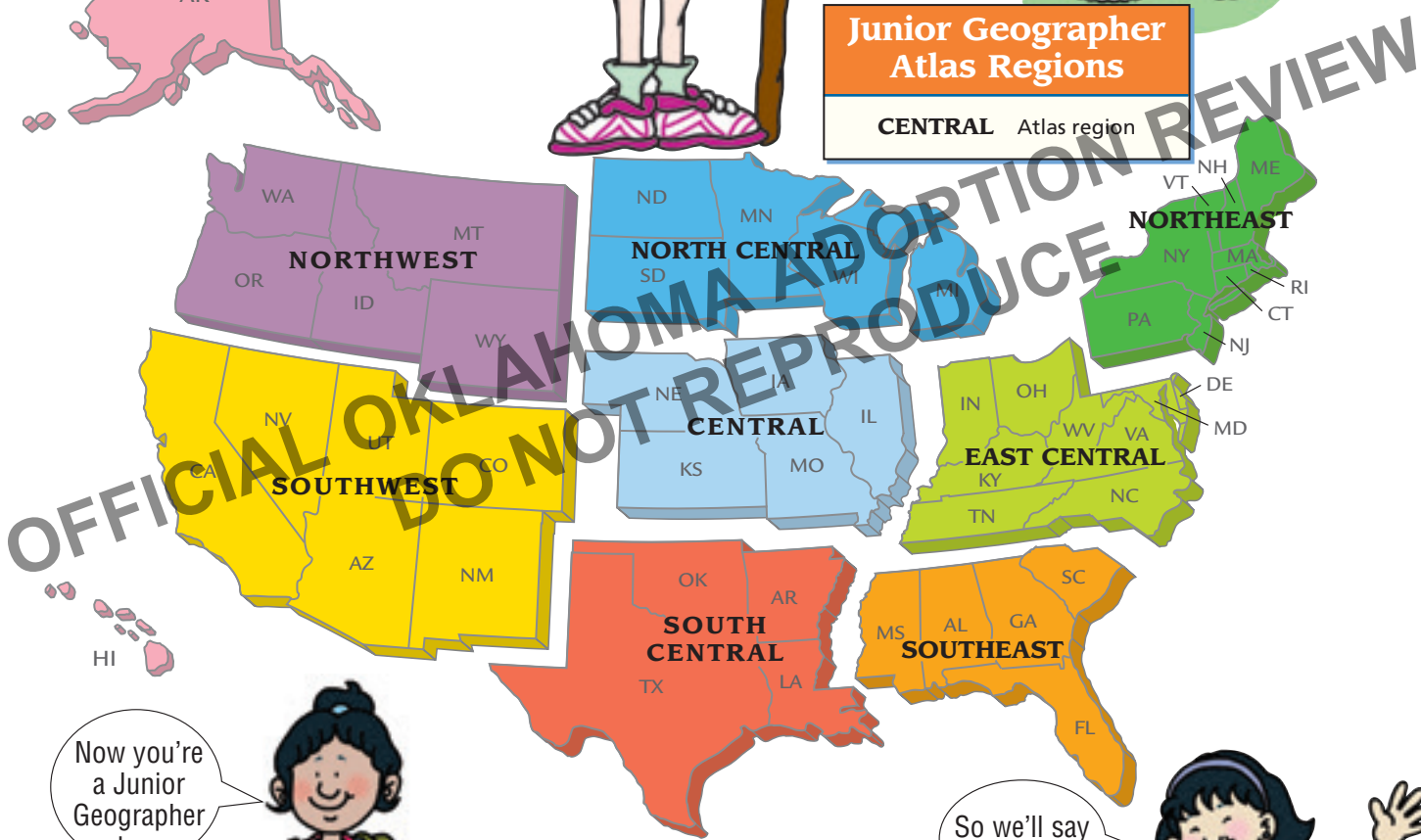






### Junior Geographer Atlas Regions

**CENTRAL** Atlas region



Sometimes different groups of states have the same region name. For example, compare the Southeast on the other map with the Southeast on this map. The regions shown here are the ones used on the following pages.





# Northeast Region

## Major Landforms

Appalachian Mountains  
Allegheny Plateau

## Major Bodies of Water

Atlantic Ocean      Hudson River  
Lake Ontario      Connecticut River  
Lake Erie      St. Lawrence River

## Interesting Regional Fact

New York City is the largest city in the United States.



Much of the Northeast remains rural, including this forest-covered area of central Pennsylvania.



The Northeast has many large urban areas, including New York City and its suburbs.



Major Landforms



Major Land Use

Urban area  
Farming  
Forestry  
No widespread use







The historical landmarks of Boston attract visitors from all over the world.



Tourism and fishing are important to the economy of Cape Cod and other Northeastern coastal areas.

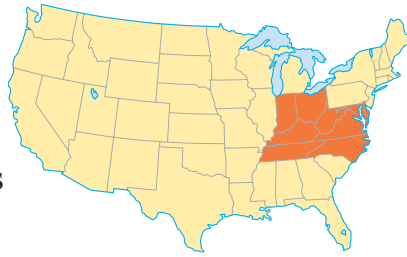




# East Central Region

## ◆ Major Landforms

Atlantic Coastal Plain  
Piedmont  
Appalachian Mountains  
Central Lowland



## ◆ Major Bodies of Water

Atlantic Ocean      Ohio River  
Lake Erie      Mississippi River  
Lake Michigan      Chesapeake Bay

## ◆ Interesting Regional Fact

Washington, D.C., is the only U.S. city that is not part of a state.



Thoroughbred horses graze in a gently rolling pasture at Donamire Farm in Lexington, Kentucky.







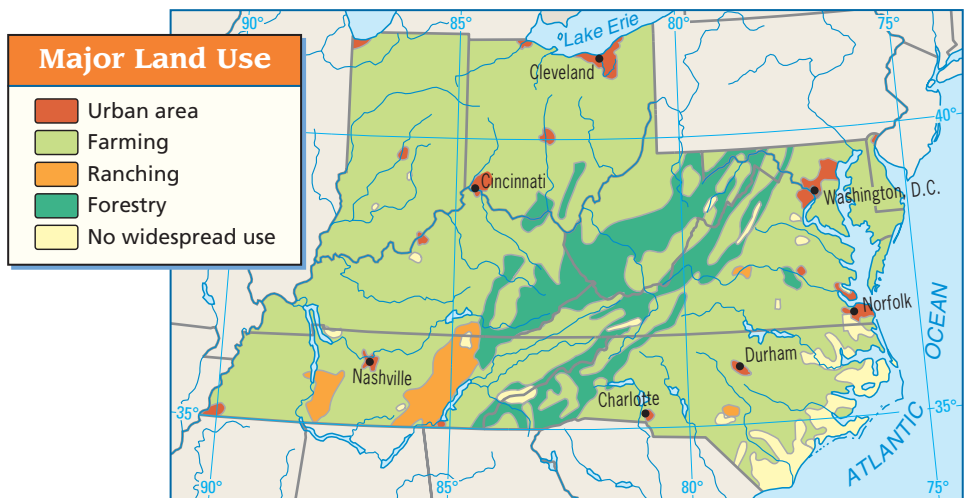
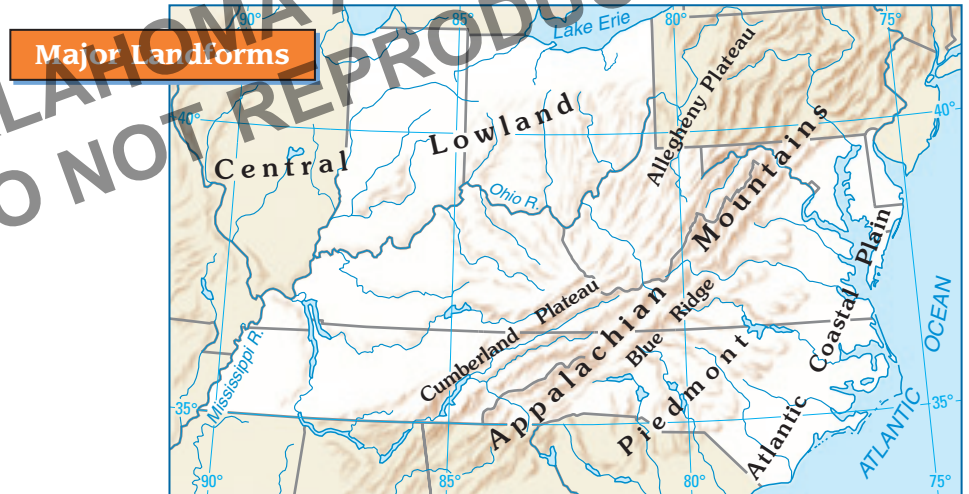
Chesapeake Bay, along the Atlantic Coastal Plain, extends 200 miles inland. Find this bay on the map.



The misty Great Smoky Mountains are part of the Appalachian Mountains system.



The U.S. Capitol in Washington, D.C., is one of many attractions that bring tourists to this region.





# Southeast Region

## Major Landforms

Atlantic Coastal Plain  
Florida Peninsula  
Piedmont  
Gulf Coastal Plain

## Major Bodies of Water

Atlantic Ocean      Mississippi River  
Gulf of Mexico

## Interesting Regional Fact

St. Augustine, Florida, is the oldest permanent European settlement in the United States.



Historic homes that are hundreds of years old can be found in Charleston, South Carolina, and in other parts of the Southeast.







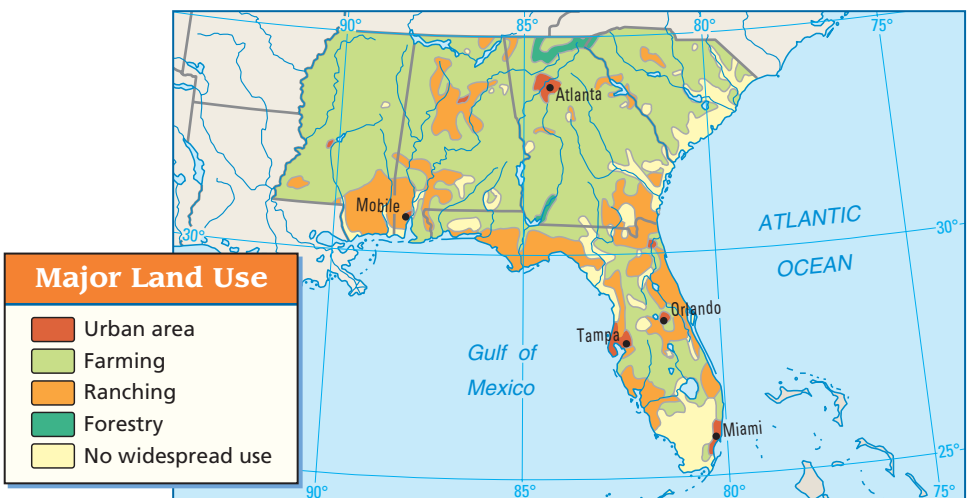
A lively culture and warm weather attract many people to Miami and other cities in the region.



Cotton was an important crop in the history of the Southeast and is still grown in every state in the region.



Hot weather and heavy rainfall allow a wide variety of plants to grow in Florida.





# South Central Region

## ♦ Major Landforms

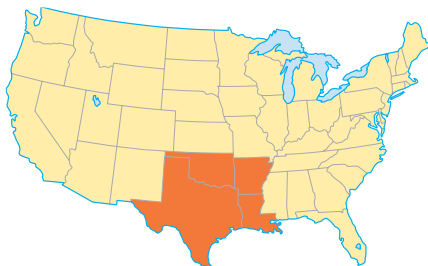
Gulf Coastal Plain  
Ozark Plateau  
Great Plains  
Llano Estacado

## ♦ Major Bodies of Water

Gulf of Mexico      Mississippi River  
Rio Grande      Red River

## ♦ Interesting Regional Fact

Texas is the largest of the 48 contiguous states.



Big Bend National Park, in Texas along the Rio Grande, is in the dry western part of the region. Other parts are rainy.







Oil and natural gas are important resources in the economy of the South Central Region.



The wetlands of the Delta of the Mississippi River extend from the Gulf Coastal Plain into the Gulf of Mexico.



Mardi Gras is a yearly festival in New Orleans.



Major Landforms



Major Land Use





# Central Region

## ◆ Major Landforms

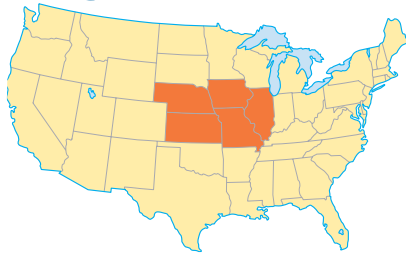
Great Plains  
Central Lowland  
Ozark Plateau

## ◆ Major Bodies of Water

Mississippi River  
Missouri River  
Lake Michigan

## ◆ Interesting Regional Fact

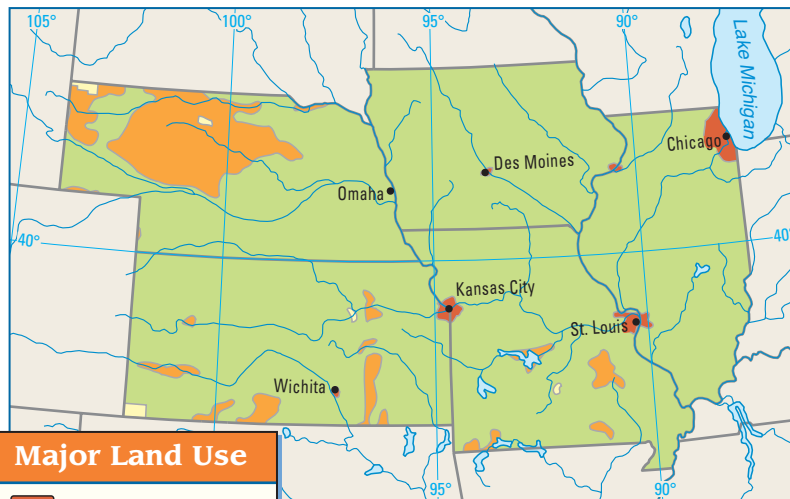
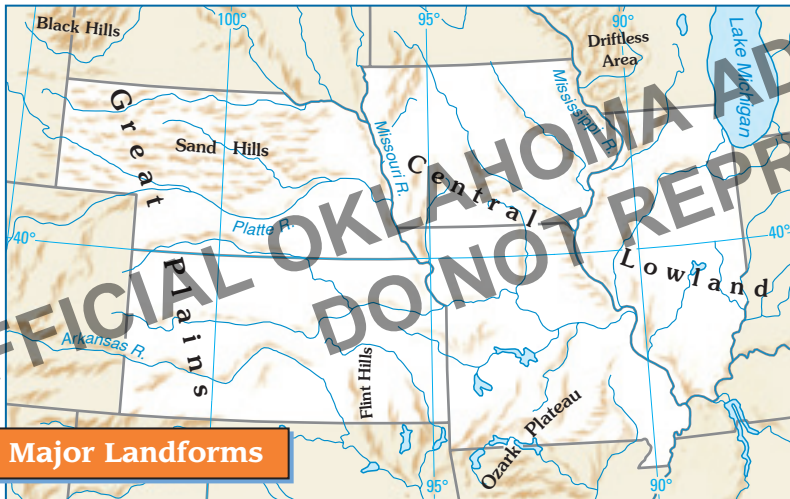
The Central Region is the largest producer of corn in the country.



The geographic center of the 48 contiguous states is located about two miles northwest of Lebanon, Kansas.



The Great Plains extend from central Canada through the central United States to Texas.



### Major Land Use

- Urban area
- Farming
- Ranching
- No widespread use



### Central Region

- ★ State capital
- Other city
- Chicago** Over 500,000 people
- St. Louis 100,000 to 500,000
- Decorah Under 100,000

0 25 50 75 100 125 150 miles  
1 inch stands for 128 miles





Although much of the Central Region is rural, it includes large urban areas such as Chicago.



The Central Lowland area of Iowa has many small farming towns.





# North Central Region

## Major Landform

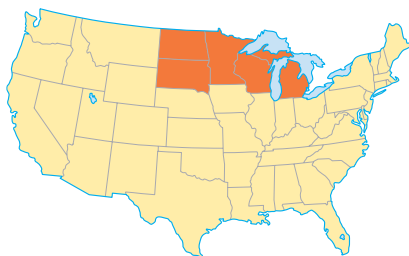
Great Plains  
Central Lowland

## Major Bodies of Water

Missouri River  
Mississippi River  
Lake Superior  
Lake Michigan  
Lake Huron

## Interesting Regional Fact

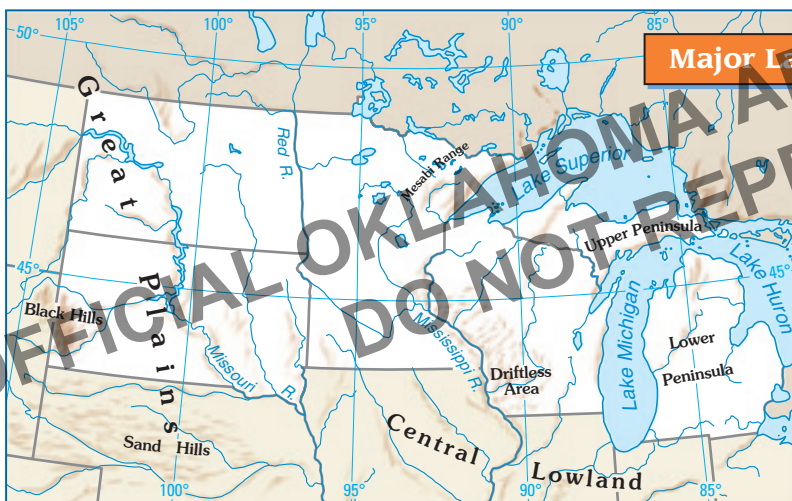
Lake Superior is the largest lake in North America and the second-largest lake in the world.



Can you name the four Presidents on Mount Rushmore in the Black Hills of South Dakota?



Farming areas of Michigan, Wisconsin, and Minnesota include many dairy farms.



Major Landforms



Major Land Use

- Urban area
- Farming
- Ranching
- Forestry
- No widespread use







Houses in old neighborhoods reflect the culture of European immigrants who settled in the region.



The Great Lakes hold the largest supply of fresh water in the world. Which states in the region have shorelines along the Great Lakes?

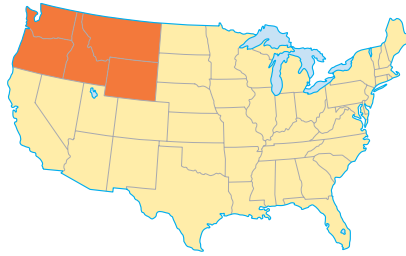




# Northwest Region

## ◆ Major Landforms

Coast Ranges  
Cascade Range  
Columbia Plateau  
Rocky Mountains  
Great Plains



## ◆ Major Bodies of Water

Pacific Ocean      Snake River  
Columbia River      Missouri River

## ◆ Interesting Regional Fact

Wyoming has the smallest population of any state.



Seattle and other cities in the Northwest are within view of mountains.







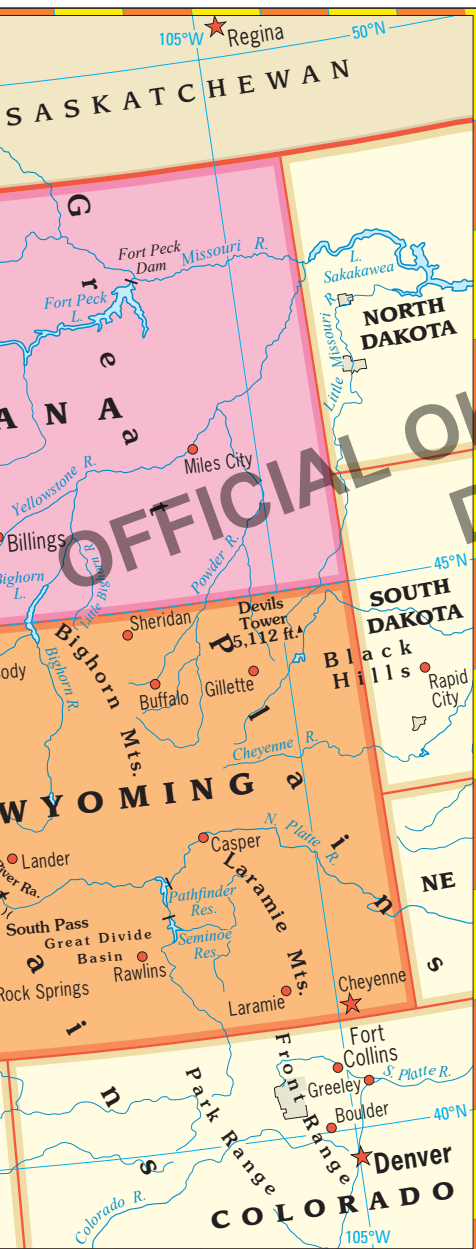
The Northwest has several famous parks, including Grand Teton National Park.



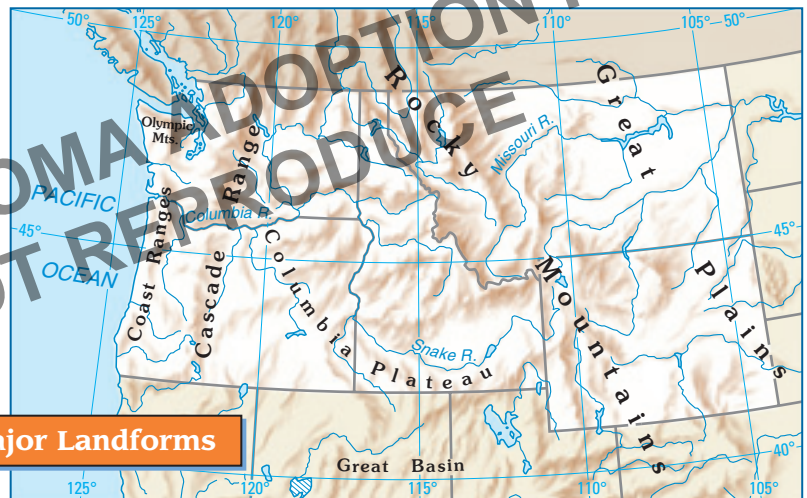
Oregon's Pacific coast is known for pounding waves and sudden mists.



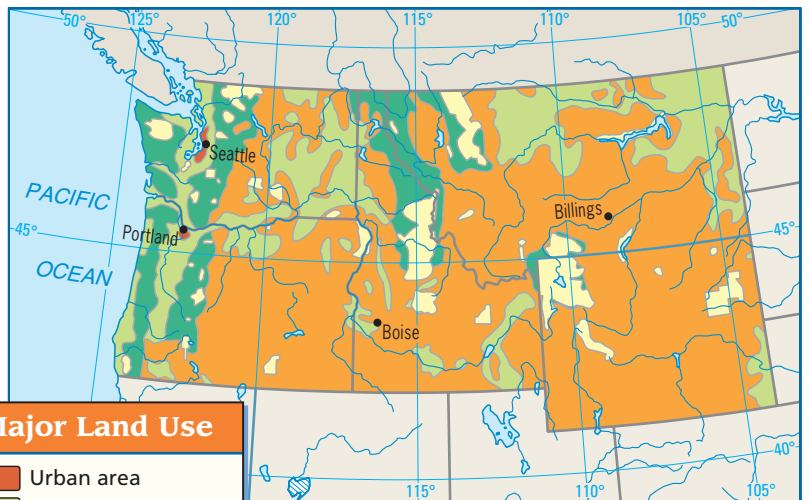
Fields of wheat stretch across the Columbia Plateau.



Major Landforms



Major Land Use

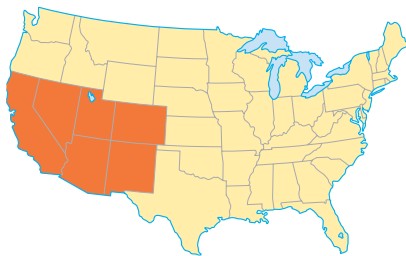




# Southwest Region

## Major Landforms

Central Valley  
Sierra Nevada  
Great Basin  
Colorado Plateau  
Rocky Mountains  
Great Plains



## Major Bodies of Water

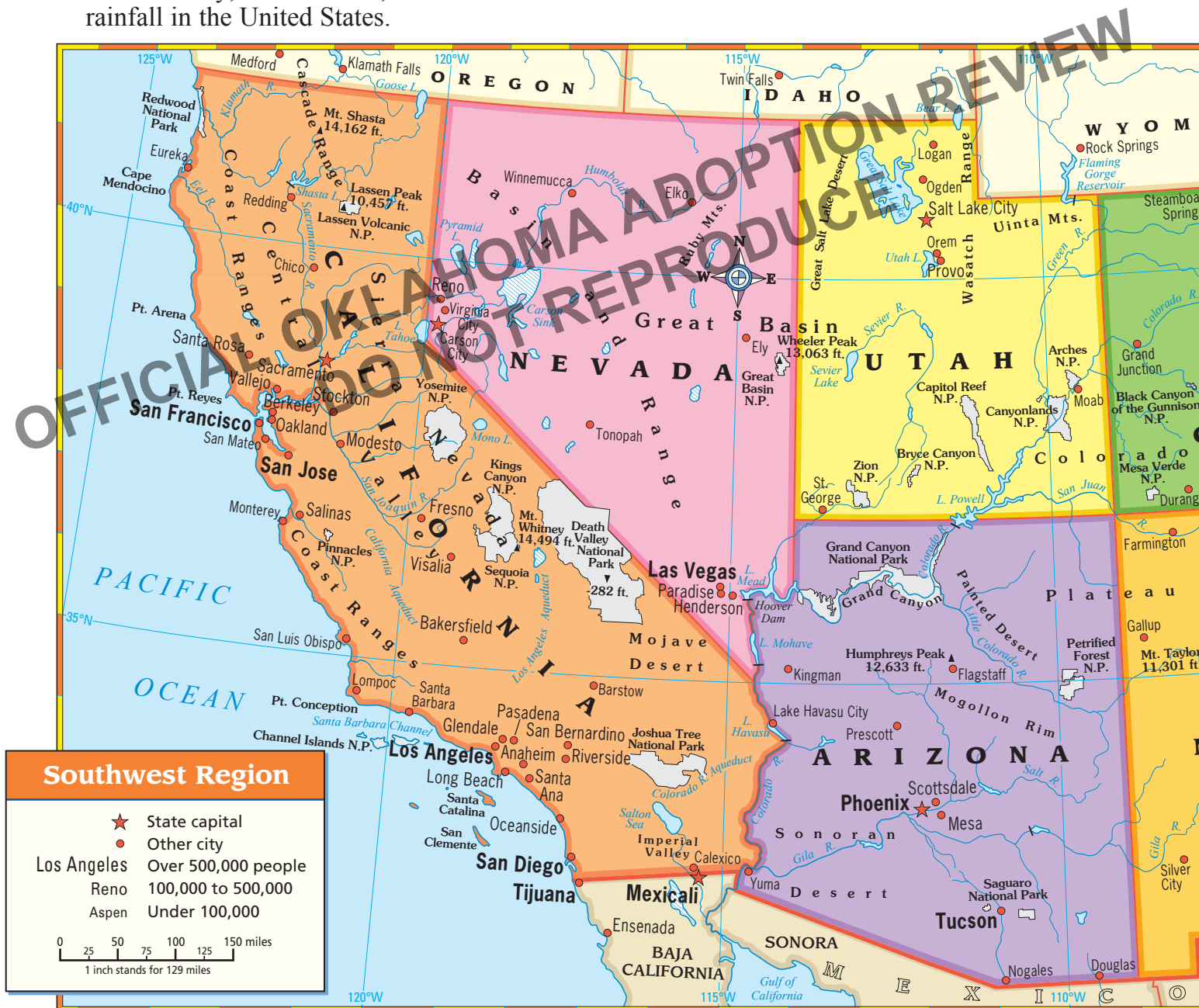
Pacific Ocean      Colorado River  
Great Salt Lake      Rio Grande

## Interesting Regional Fact

Death Valley, in California, has the lowest annual rainfall in the United States.



Desert vegetation, such as the saguaro cactus, grows in parts of the Southwest.







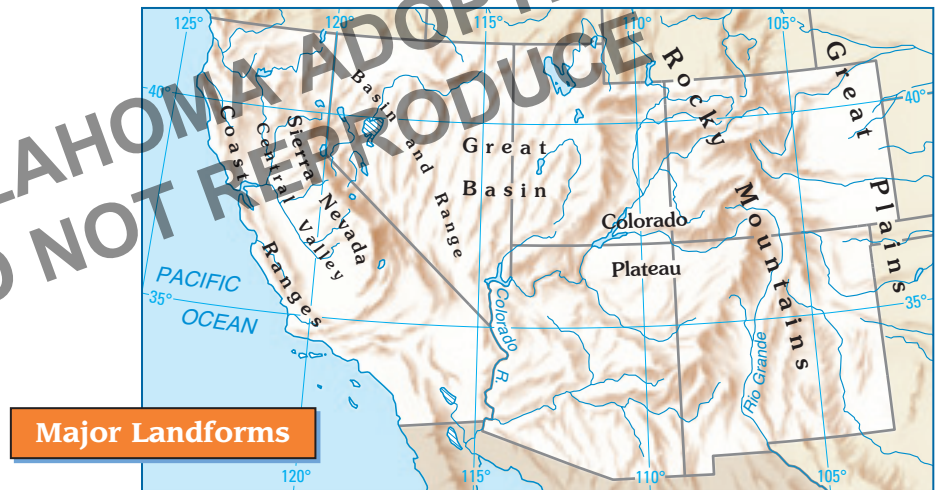
The Southwest has many unique landforms. These rock formations in Utah are in Arches National Park.



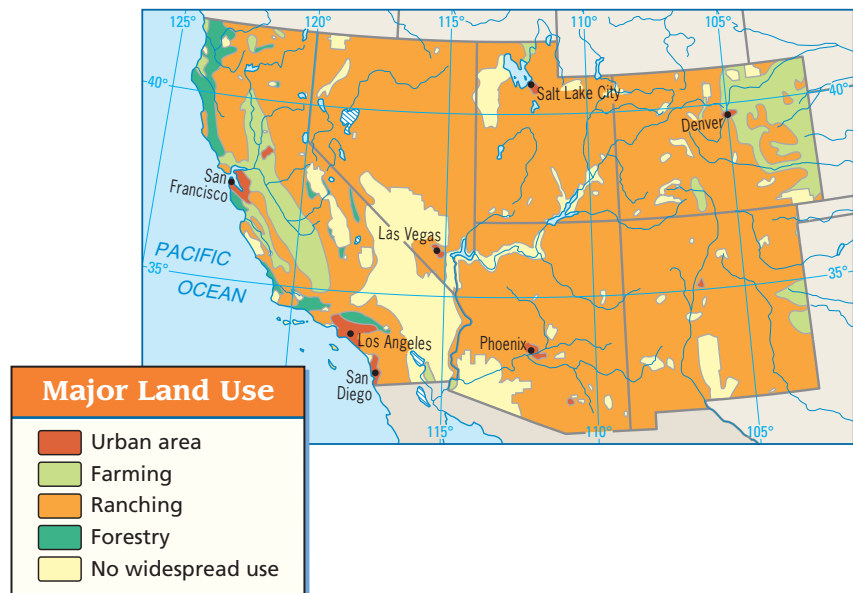
San Francisco and several other cities are along the Pacific coast.



People from all over the world come to hike and enjoy snow sports in the Rocky Mountains.



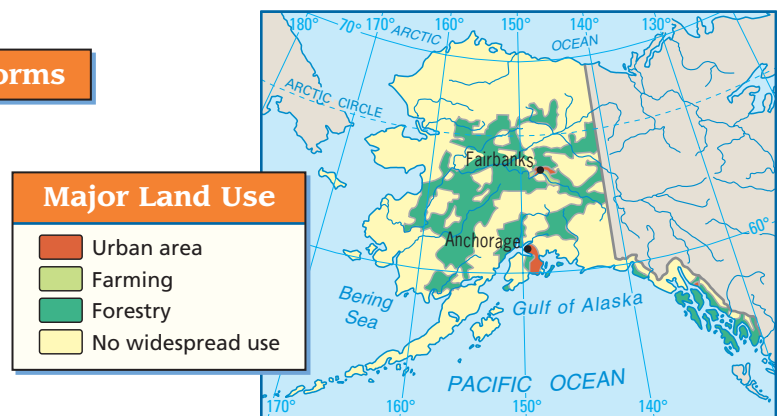
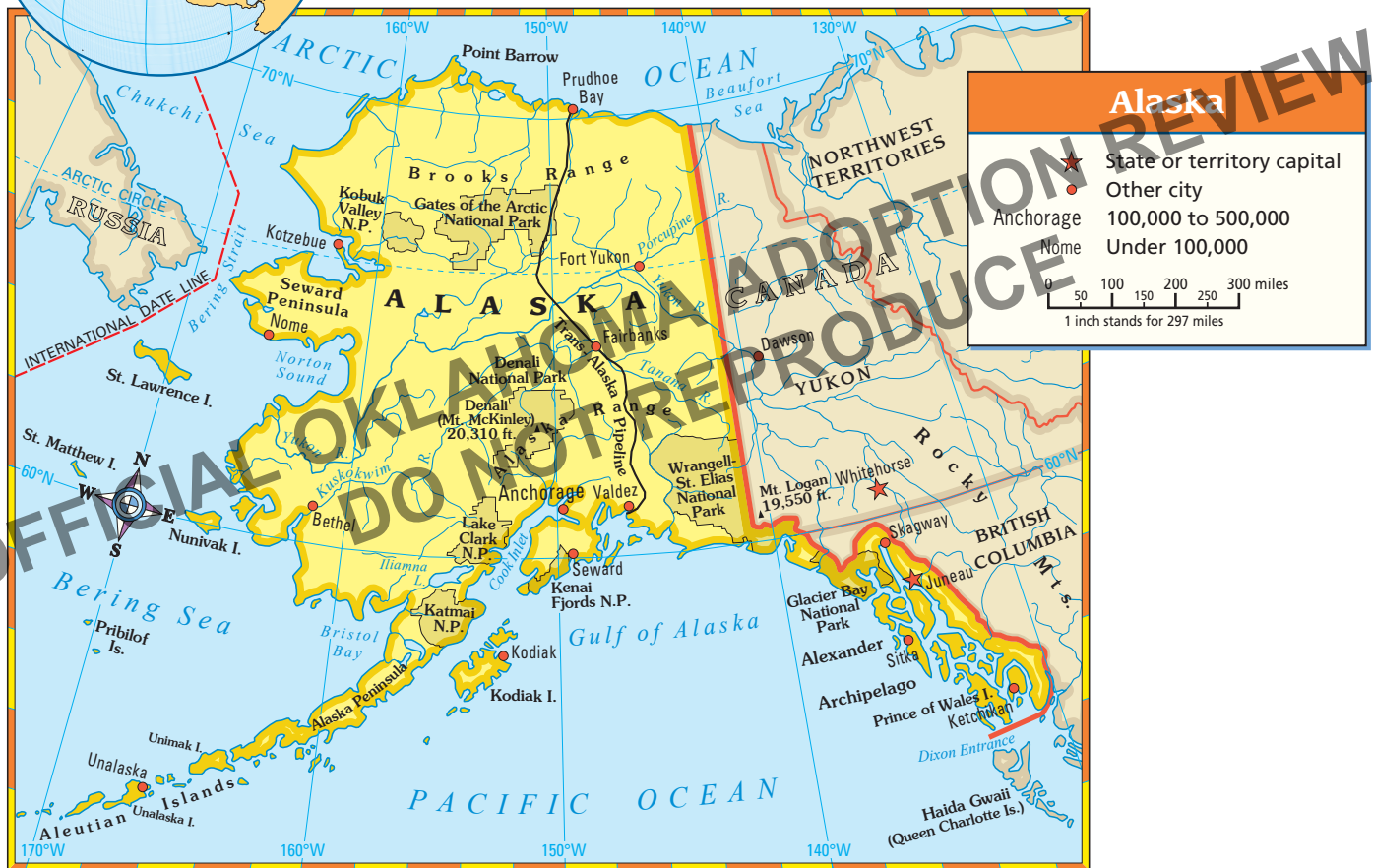
Major Landforms







Denali (Mt. McKinley), the highest U.S. peak, towers over an Alaskan wilderness area.



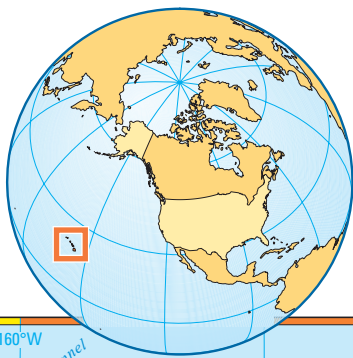


# Hawaii

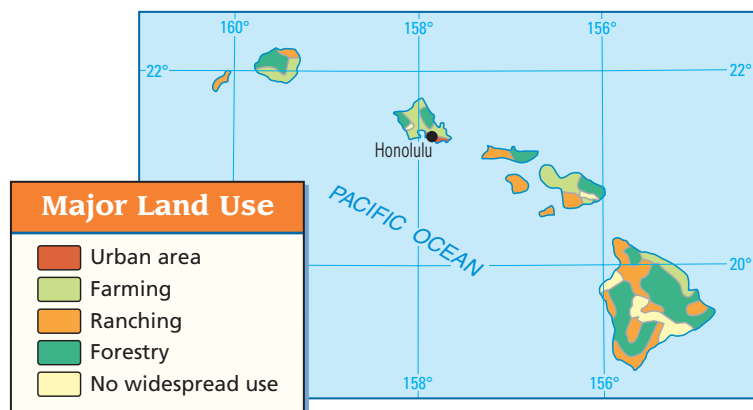
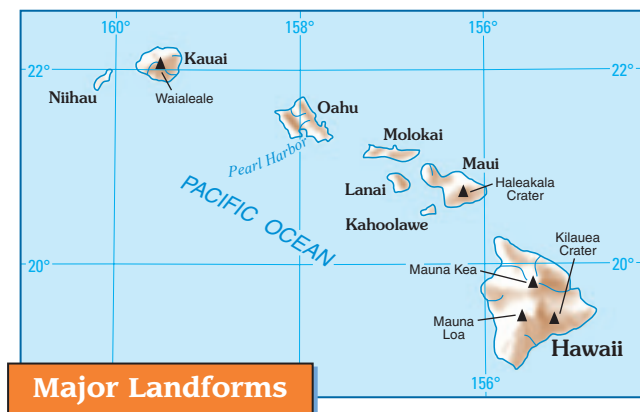
Hawaii, the 50th state admitted to the Union, is surrounded by the Pacific Ocean. Hawaii includes eight large islands and more than 100 smaller ones farther northwest.



The many beaches of Hawaii, such as this one in Honolulu, attract millions of vacationers throughout the year.



Heavy rain and a warm climate allow the tropical rain forests of Hawaii to thrive.









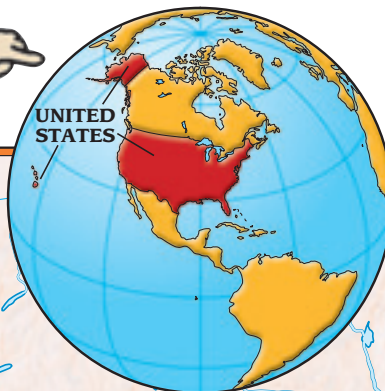




# United States Physical Map





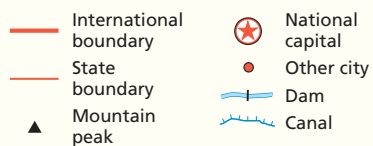


### Physical Map UNITED STATES

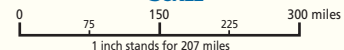
#### NATURAL REGIONS



#### OTHER SYMBOLS



#### SCALE





# World Political Map



**Political Map**  
**WORLD**

**CITY SYMBOLS AND SIZES**

- National capital
- Other city

**OTHER SYMBOLS**

- Continental boundary
- International boundary

**SCALE AT EQUATOR**

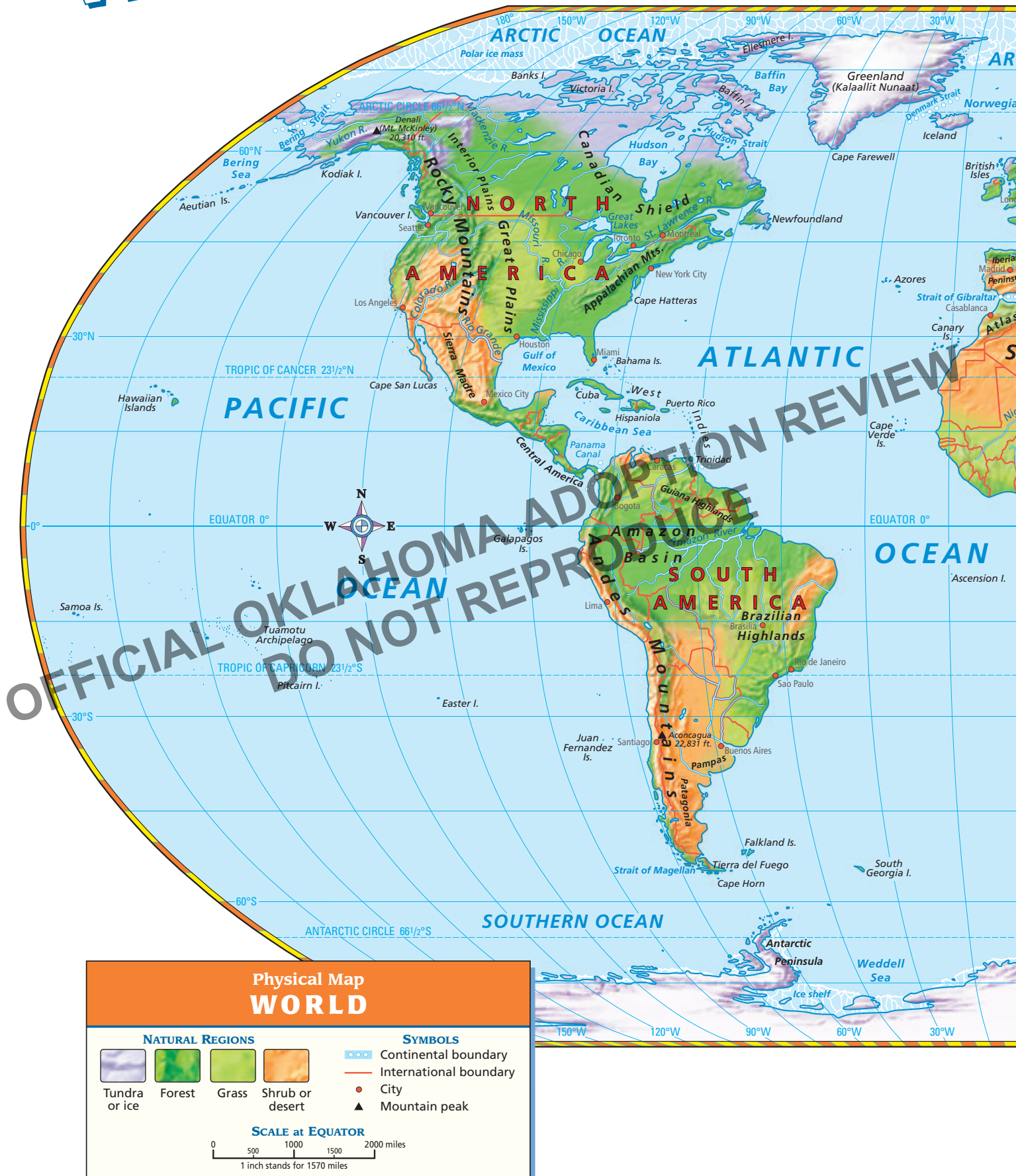
**London** Over 5,000,000 people  
**Toronto** 1,000,000 to 5,000,000  
**Miami** Under 1,000,000







# World Physical Map









# Glossary



Most of the definitions given below are followed by page numbers in parentheses. Maps and photographs on those pages further describe or illustrate the defined terms.

**alphanumeric grid** System for locating places that uses numbers and letters to divide a map into imaginary squares (30).

**annual rainfall** Amount of water that falls on a place in a typical year as rain, snow, sleet, or hail. (32)

**archipelago** Group of islands.

**average temperature** Temperature halfway between the high and low temperatures on a given day, or between the average high and low temperatures of a given month. (35)

**basin** Area surrounded by higher land.

**bay** Body of water partly surrounded by land and partly open to a larger body of water, such as an ocean, sea, or lake. A bay is usually smaller than a gulf. (19)

**body of water** A water feature, such as an ocean, lake, or river. (18)

**boundary** Shared border between two places, such as states, countries, or continents. It often appears as a line on a map or globe. (14)

**cape** Point of land that extends into a body of water. A cape can be on an island or on the mainland, and some capes also are peninsulas.

**canal** Narrow waterway built for irrigation or navigation. (19)

**canyon** Deep valley with steep sides carved by a river. (21)

**capital** City where the government of a country or state is located. (15)

**Capitol** Main building of a government. Pronounce “Capitol” and “capital” the same way. (15)

**cardinal directions** North, south, east, and west. (10)

**climate** Pattern of weather for a particular place during a typical year. (36)

**climograph** Graph that shows average temperature and rainfall, month by month, for a given place. (36)

**coastline** Edge where a continent meets an ocean, gulf, or sea. A coastline sometimes is called a *coast*. (18)

**compass rose** Set of pointers that show directions on a map or globe. (7)

**contiguous** Connected or touching. The 48 contiguous states include all U.S. states except Alaska and Hawaii.

**continent** One of the seven largest land areas on earth. (8)

**country** Land with one government. (8, 14)

**dam** Natural or constructed wall across a river that blocks or controls its flow. (19)

**delta** Body of land at the mouth of a river, often shaped like a triangle.

**desert** Dry natural region with little rain and few if any plants; usually hot. (16)

**economic** Relating to the making and tending of material wealth and financial well-being. (46)

**Equator** Imaginary line at 0° latitude that divides the earth into the Northern and Southern Hemispheres. (24, 26)

**elevation** Height above or below sea level. (22)

**farming** Growing crops and raising livestock. (39)

**forest** Region where trees grow naturally. (17)

**forestry** Use of forests for lumber, paper, and other products (38)

**glacier** Large, slow-moving mass of ice.

**global address** The latitude and longitude numbers of the grid lines that cross at a given place. (28)

**globe** Model of the earth that is spherical, that is, shaped like a ball. (4)

**grass** Region where short, tall, or mixed grasses grow naturally. A region of tall grass sometimes is called a *prairie*. (17)

**grid** Pattern of imaginary lines that crisscross a map or globe. (7, 28)

**gulf** Large area of ocean or sea partly surrounded by land.

**hemisphere** Any half of the earth. (24)

**highland** Large area of mountains or other elevated land. (37)

**hill** Landform that is higher than the land around it but not as tall as a mountain. (20)

**ice** Cold region of long-lasting glaciers and other frozen snow. Some ice regions are dry enough to be considered desert regions too. (16)

**intermediate directions** Northwest, northeast, southeast, and southwest, found half-way between pairs of cardinal directions; also called *in-between* directions. (11)

**island** Body of land that is completely surrounded by water. (21)

**lake** Body of water that is completely surrounded by land. (18)

**land use** The most widespread way people use the land in a given area. (38)

**landform** Natural feature of the landscape, such as a mountain, plain, canyon, or island. (20)



**latitude** Distance north or south of the Equator, measured in degrees. Latitude lines run east-west on a map or globe. (26)

**legend** The part of a map that shows the map's title and explains its symbols. The explanation of symbols sometimes is called a *key*. (6)

**longitude** Distance east or west of the Prime Meridian, measured in degrees. Longitude lines run north-south on a map or globe. (27)

**map** Special drawing of a place as seen from directly above. (4)

**meridian** Line of longitude. (27)

**mountain** High landform, larger and taller than a hill, with either a sharp peak or a rounded top. (20)

**national park** Area where the land and its plants and animals are protected by the government of a country.

**natural region** Large area defined by the plants that would grow there without human interference. (16)

**North Pole** Imaginary point that is farther north than any other place on earth. (10, 24, 26)

**ocean** One of the five largest bodies of water on earth. (8, 18)

**parallel** A line of latitude. (26)

**peak** Top of a mountain. (23)

**peninsula** Body of land that is almost surrounded by water. (21)

**physical map** Map that uses color to show natural features such as bodies of water, landforms, and natural regions. (16)

**plain** Broad area of land that is gently rolling or almost flat. (20)

**plateau** Vast, high area of land that is mostly level. (21)

**political map** Map that uses color to show countries, states, or other political units. (14)

**population density** Number of people living in one typical square mile of a place or region. (40)

**Prime Meridian**

Imaginary line at 0° longitude that divides the earth into the Eastern and Western Hemispheres. (24, 27)

**ranching** Raising large herds of livestock on large ranches or open grazing land. (38)

**range** Connected mountains, usually occurring in a line. A range sometimes is called a *chain*. (20)

**region** Large area that is different from the areas around it. (16, 48)

**relief** Shading on a map that shows the shape of the land's surface. (20)

**reservoir** Artificial lake that forms behind a dam on a river. (19)

**river** Long, narrow body of water that flows downhill. (18)

**river mouth** Place where a river ends, usually by flowing into a larger body of water. (19)

**rural** Relating to the countryside, as opposed to towns or cities.

**scale** Relationship between an actual distance on the earth and the same distance as shown on a map. (12)

**sea** Part of an ocean, or any large inland body of salt water.

**sea level** Average elevation of the surface of a calm ocean between high and low tide. (22)

**shrub** Plant that needs little rain; usually grows in a desert or other dry region. (16)

**South Pole** Imaginary point that is farther south than any other place on earth. (10, 24, 26)

**sphere** Shape that is round like a ball. (4)

**state** Part of a country with laws and leaders of its own. The United States consists of 50 states. (14, 48)

**strait** Narrow body of water connecting two larger bodies of water.

**suburb** Town or small city that is located near a big city. (39)

**swamp** Place where plants grow in ground that is covered with shallow water. A swamp sometimes is called a *wetland*, *bog*, or *marsh*.

**territory** Part of a country that does not have the full rights of a state. (44)

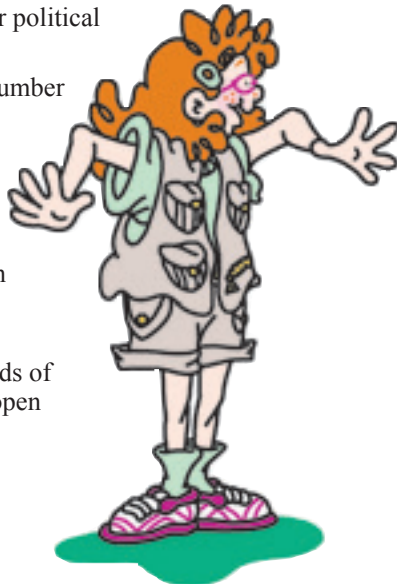
**treaty** Formal agreement between countries, sometimes ending a war.

**tundra** Small plants that grow close to the ground in cool or cold regions; region where tundra plants prevail. (16)

**urban area** Big city, its suburbs, and the towns connected to them. (38)

**valley** Low area between mountains, hills, or other elevated land.

**weather** Temperature, rain, wind and other conditions of the air outside.





# Sate Facts

State	Largest City	Capital	Admitted to Union	Order Admitted	Population	Rank in Pop.
Alabama	Birmingham	Montgomery	1819	22	4,779,736	23
Alaska	Anchorage	Juneau	1959	49	710,231	47
Arizona	Phoenix	Phoenix	1912	48	6,392,017	16
Arkansas	Little Rock	Little Rock	1836	25	2,915,918	32
California	Los Angeles	Sacramento	1850	31	37,253,956	1
Colorado	Denver	Denver	1876	38	5,029,196	22
Connecticut	Bridgeport	Hartford	1788	5	3,574,097	29
Delaware	Wilmington	Dover	1787	1	897,934	45
Florida	Jacksonville	Tallahassee	1845	27	18,801,310	4
Georgia	Atlanta	Atlanta	1788	4	9,687,653	9
Hawaii	Honolulu	Honolulu	1959	50	1,360,301	40
Idaho	Boise	Boise	1890	43	1,567,582	39
Illinois	Chicago	Springfield	1818	21	12,830,632	5
Indiana	Indianapolis	Indianapolis	1816	19	6,483,802	15
Iowa	Des Moines	Des Moines	1846	29	3,046,355	30
Kansas	Wichita	Topeka	1861	34	2,853,118	33
Kentucky	Louisville	Frankfort	1792	15	4,339,367	26
Louisiana	New Orleans	Baton Rouge	1812	18	4,533,372	25
Maine	Portland	Augusta	1820	23	1,328,361	41
Maryland	Baltimore	Annapolis	1788	7	5,773,552	19
Massachusetts	Boston	Boston	1788	6	6,547,629	14
Michigan	Detroit	Lansing	1837	26	9,883,640	8
Minnesota	Minneapolis	St. Paul	1858	32	5,303,925	21
Mississippi	Jackson	Jackson	1817	20	2,967,297	31
Missouri	Kansas City	Jefferson City	1821	24	5,988,927	18



Postal Abbrev.	State Nicknames	State Tree	State Flower	State Bird	Area in Sq. Mi.	Rank in Area
<b>AL</b>	Heart of Dixie	Southern pine (Longleaf pine)	Camellia	Yellowhammer	51,718	29
<b>AK</b>	The Last Frontier	Sitka spruce	Forget-me-not	Willow ptarmigan	587,878	1
<b>AZ</b>	Grand Canyon State	Paloverde	Saguaro blossom	Cactus wren	114,007	6
<b>AR</b>	The Natural State	Pine	Apple blossom	Mockingbird	53,183	27
<b>CA</b>	Golden State	California redwood	Golden poppy	California valley quail	158,648	3
<b>CO</b>	Centennial State	Colorado blue spruce	White and lavender columbine	Lark bunting	104,100	8
<b>CT</b>	Constitution State	White oak	Mountain laurel	Robin	5,006	48
<b>DE</b>	First State	American holly	Peach blossom	Blue hen chicken	2,026	49
<b>FL</b>	Sunshine State	Sabal palm	Orange blossom	Mockingbird	58,681	22
<b>GA</b>	Empire State of the South Peach State	Live oak	Cherokee rose	Brown thrasher	58,930	21
<b>HI</b>	Aloha State	Kukui	Yellow hibiscus	Nene (Hawaiian goose)	6,459	47
<b>ID</b>	Gem State	Western white pine	Syringa	Mountain bluebird	83,574	13
<b>IL</b>	Prairie State	White oak	Native violet	Cardinal	56,343	24
<b>IN</b>	Hoosier State	Tulip poplar	Peony	Cardinal	36,185	38
<b>IA</b>	Hawkeye State	Oak	Wild rose	Eastern goldfinch	56,276	25
<b>KS</b>	Sunflower State	Cottonwood	Native Sunflower	Western meadowlark	82,282	14
<b>KY</b>	Bluegrass State	Tulip tree	Goldenrod	Cardinal	40,411	37
<b>LA</b>	Pelican State	Bald cypress	Magnolia	Brown pelican	47,717	31
<b>ME</b>	Pine Tree State	White pine	White pine cone and tassel	Chickadee	33,128	39
<b>MD</b>	Old Line State Free State	White oak	Black-eyed Susan	Baltimore oriole	10,455	42
<b>MA</b>	Bay State	American elm	Mayflower	Chickadee	8,262	45
<b>MI</b>	Great Lake State Wolverine State	White pine	Apple blossom	Robin	58,513	23
<b>MN</b>	North Star State Land of 10,000 Lakes	Norway pine (Red pine)	Pink and white lady's-slipper	Common loon	84,397	12
<b>MS</b>	Magnolia State	Magnolia	Magnolia	Mockingbird	47,695	32
<b>MO</b>	Show-Me State	Flowering dogwood	Hawthorn	Bluebird	69,709	19



# S State Facts

State	Largest City	Capital	Admitted to Union	Order Admitted	Population	Rank in Pop.
Montana	Billings	Helena	1889	41	989,415	44
Nebraska	Omaha	Lincoln	1867	37	1,826,341	38
Nevada	Las Vegas	Carson City	1864	36	2,700,551	35
New Hampshire	Manchester	Concord	1788	9	1,316,470	42
New Jersey	Newark	Trenton	1787	3	8,791,894	11
New Mexico	Albuquerque	Santa Fe	1912	47	2,059,179	36
New York	New York City	Albany	1788	11	19,378,102	3
North Carolina	Charlotte	Raleigh	1789	12	9,535,483	10
North Dakota	Fargo	Bismarck	1889	39	672,591	48
Ohio	Columbus	Columbus	1803	17	11,536,504	7
Oklahoma	Oklahoma City	Oklahoma City	1907	46	3,751,351	28
Oregon	Portland	Salem	1859	33	3,831,074	27
Pennsylvania	Philadelphia	Harrisburg	1787	2	12,702,379	6
Rhode Island	Providence	Providence	1790	13	1,052,567	43
South Carolina	Columbia	Columbia	1788	8	4,625,364	24
South Dakota	Sioux Falls	Pierre	1889	40	814,180	46
Tennessee	Memphis	Nashville	1796	16	6,346,105	17
Texas	Houston	Austin	1845	28	25,145,561	2
Utah	Salt Lake City	Salt Lake City	1896	45	2,763,885	34
Vermont	Burlington	Montpelier	1791	14	625,741	49
Virginia	Virginia Beach	Richmond	1788	10	8,001,024	12
Washington	Seattle	Olympia	1889	42	6,724,540	13
West Virginia	Charleston	Charleston	1863	35	1,852,994	37
Wisconsin	Milwaukee	Madison	1848	30	5,686,986	20
Wyoming	Cheyenne	Cheyenne	1890	44	563,626	50



Postal Abbrev.	State Nicknames	State Tree	State Flower	State Bird	Area in Sq. Mi.	Rank in Area
<b>MT</b>	Treasure State	Ponderosa pine	Bitterroot	Western meadowlark	147,047	4
<b>NE</b>	Cornhusker State	Cottonwood	Goldenrod	Western meadowlark	77,359	15
<b>NV</b>	Sagebrush State Silver State	Single-leaf piñon and bristle-cone pine	Sagebrush	Mountain bluebird	110,567	7
<b>NH</b>	Granite State	White birch	Purple lilac	Purple finch	9,283	44
<b>NJ</b>	Garden State	Red oak	Purple violet	Eastern goldfinch	7,790	46
<b>NM</b>	Land of Enchantment	Piñon (Nut pine)	Yucca flower	Roadrunner	121,599	5
<b>NY</b>	Empire State	Sugar maple	Rose	Bluebird	49,112	30
<b>NC</b>	Old North State Tar Heel State	Longleaf pine	Flowering dogwood	Cardinal	52,672	28
<b>ND</b>	Peace Garden State Flickertail State	American elm	Wild prairie rose	Western meadowlark	70,704	17
<b>OH</b>	Buckeye State	Buckeye	Red carnation	Cardinal	41,328	35
<b>OK</b>	Sooner State	Redbud	Mistletoe	Scissor-tailed flycatcher	69,903	18
<b>OR</b>	Beaver State	Douglas fir	Oregon grape	Western meadowlark	97,052	10
<b>PA</b>	Keystone State	Hemlock	Mountain laurel	Ruffed grouse	45,310	33
<b>RI</b>	Ocean State	Red maple	Violet	Rhode Island Red Hen	1,213	50
<b>SC</b>	Palmetto State	Palmetto	Carolina jessamine	Carolina wren	31,117	40
<b>SD</b>	Mount Rushmore State Coyote State	Black Hills spruce	American pasqueflower	Chinese ring-necked pheasant	77,122	16
<b>TN</b>	Volunteer State	Tulip poplar	Iris	Mockingbird	42,146	34
<b>TX</b>	Lone Star State	Pecan	Bluebonnet	Mockingbird	266,874	2
<b>UT</b>	Beehive State	Quaking aspen	Sego lily	Seagull	84,905	11
<b>VT</b>	Green Mountain State	Sugar maple	Red clover	Hermit thrush	9,615	43
<b>VA</b>	Old Dominion	Dogwood	Dogwood	Cardinal	40,598	36
<b>WA</b>	Evergreen State	Western hemlock	Coast rhododendron	American goldfinch	68,126	20
<b>WV</b>	Mountain State	Sugar maple	Rhododendron	Cardinal	24,231	41
<b>WI</b>	Badger State	Sugar maple	Wood violet	Robin	56,145	26
<b>WY</b>	Big Wyoming Equality State	Cottonwood	Indian paintbrush	Meadowlark	97,818	9



# I ndex



The index lists many of the places that appear in *The Nystrom Junior Geographer Atlas*. Each entry includes the **name**, a *brief description of what or where the place is*, its latitude and longitude (in parentheses), and its main page reference.

The entry for a physical feature is alphabetized by the proper part of its name, not by the descriptive part. For example, Lake

Superior is listed as **Superior, L.**, and Mount Whitney is listed as **Whitney, Mt.** Entries for cities and for places with foreign names are alphabetized by the first word in the name.

Names beginning with **St.** begin with **Saint** in the index. Abbreviations that are used in the index and in other parts of the book are listed on the inside back cover, where they are easy to find.

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# Abbreviations

<b>A</b>	April or August	<b>IN</b>	Indiana	<b>prov.</b>	province
<b>adm.</b>	administered by	<b>It.</b>	Italy	<b>Pt.</b>	Point
<b>AK</b>	Alaska	<b>J</b>	January, June, or July	<b>R. or r.</b>	River
<b>AL</b>	Alabama	<b>Jr.</b>	Junior	<b>Res.</b>	Reservoir
<b>Alb.</b>	Albania	<b>Kos.</b>	Kosovo	<b>RI</b>	Rhode Island
<b>A.M.</b>	ante meridiem (before noon)	<b>KS</b>	Kansas	<b>S or S.</b>	South
<b>AR</b>	Arkansas	<b>KY</b>	Kentucky	<b>S</b>	September
<b>Arm.</b>	Armenia	<b>Kyr.</b>	Kyrgyzstan	<b>SC</b>	South Carolina
<b>Aus.</b>	Austria	<b>L.</b>	Lake	<b>SD</b>	South Dakota
<b>AVE</b>	Avenue	<b>LA</b>	Louisiana	<b>Serb.</b>	Serbia
<b>AZ</b>	Arizona	<b>Lat.</b>	Latvia	<b>Sierra Madre</b>	Sierra Madre Occidental
<b>Azer.</b>	Azerbaijan	<b>Lith.</b>	Lithuania	<b>Sl.</b>	Slovakia
<b>Bel.</b>	Belgium	<b>M</b>	March or May	<b>Slov.</b>	Slovenia
<b>Bos.</b>	Bosnia-Herzegovina	<b>MA</b>	Massachusetts	<b>sq.</b>	square
<b>Bulg.</b>	Bulgaria	<b>Mac.</b>	Macedonia	<b>ST</b>	Street
<b>C. Afr. Rep.</b>	Central African Republic	<b>MD</b>	Maryland	<b>St. or Ste.</b>	Saint or Sainte
<b>CA</b>	California	<b>ME</b>	Maine	<b>Switz.</b>	Switzerland
<b>CO</b>	Colorado	<b>MI</b>	Michigan	<b>Taj.</b>	Tajikistan
<b>Congo Rep.</b>	Congo Republic	<b>mi.</b>	miles	<b>TN</b>	Tennessee
<b>Cro.</b>	Croatia	<b>MN</b>	Minnesota	<b>TX</b>	Texas
<b>CT</b>	Connecticut	<b>MO</b>	Missouri	<b>U.A.E.</b>	United Arab Emirates
<b>Cz.</b>	Czech Republic or Czechoslovakia	<b>Mol.</b>	Moldova	<b>U.K.</b>	United Kingdom
<b>D</b>	December	<b>Mon.</b>	Montenegro	<b>U.S.</b>	United States
<b>D.C.</b>	District of Columbia	<b>MS</b>	Mississippi	<b>USA</b>	United States of America
<b>DAR</b>	Daughters of the American Revolution	<b>MT</b>	Montana	<b>UT</b>	Utah
<b>DE</b>	Delaware	<b>Mt., mt., or Mts.</b>	Mount, Mountain, or Mountains	<b>Uzb.</b>	Uzbekistan
<b>Dem. Rep. of the Congo</b>	Democratic Republic of the Congo	<b>N or N.</b>	North	<b>VA</b>	Virginia
<b>Den.</b>	Denmark	<b>N</b>	November	<b>Val.</b>	Valley
<b>Dom. Rep.</b>	Dominican Republic	<b>NC</b>	North Carolina	<b>VT</b>	Vermont
<b>DR</b>	Drive	<b>ND</b>	North Dakota	<b>W</b>	West
<b>E</b>	East	<b>NE</b>	Nebraska	<b>WA</b>	Washington
<b>Elev.</b>	Elevation	<b>Neth.</b>	Netherlands	<b>WI</b>	Wisconsin
<b>Eq. Guinea</b>	Equatorial Guinea	<b>NH</b>	New Hampshire	<b>WV</b>	West Virginia
<b>Est.</b>	Estonia	<b>NJ</b>	New Jersey	<b>WY</b>	Wyoming
<b>F</b>	Fahrenheit or February	<b>NM</b>	New Mexico		
<b>FL</b>	Florida	<b>N.P.</b>	National Park		
<b>Fr.</b>	France	<b>NV</b>	Nevada		
<b>ft.</b>	feet	<b>NY</b>	New York		
<b>GA</b>	Georgia	<b>O</b>	October		
<b>HI</b>	Hawaii	<b>O.</b>	Ocean		
<b>Hung.</b>	Hungary	<b>OH</b>	Ohio		
<b>I. or Is.</b>	Island or Islands	<b>OK</b>	Oklahoma		
<b>IA</b>	Iowa	<b>OR</b>	Oregon		
<b>ID</b>	Idaho	<b>P.M.</b>	post meridiem (after noon)		
<b>IL</b>	Illinois	<b>PA</b>	Pennsylvania		
		<b>Pen.</b>	Peninsula		
		<b>Pk.</b>	Peak		
		<b>poss.</b>	possession		







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