

REVIEW PACKET

5 Themes of Geography

Longitude and Latitude

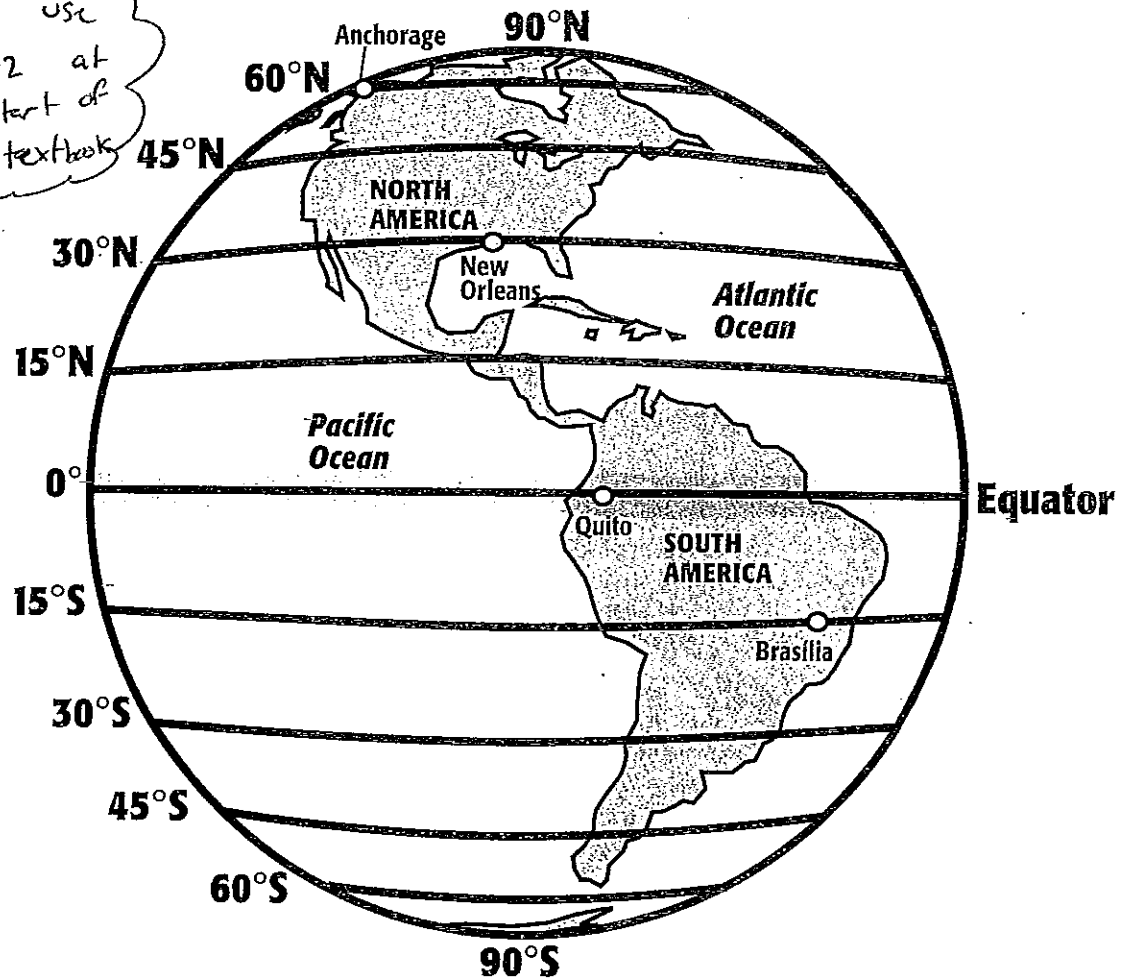
Understanding Latitude

Absolute
Location

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Maps and globes use a system of imaginary lines to help us locate places. Lines that run east to west are called **lines of latitude**. They measure distance north or south of the equator, which is labeled 0° . The symbol $^\circ$ stands for "degree," which is a unit of measurement. Latitude lines are also called **parallels**, because each of them is the same distance apart and they never meet. The lines north of the equator are labeled "N." The lines south of the equator are labeled "S." Look at the map to answer the questions.

You can use
page H2 at
the start of
the textbook



1. The North Pole is at 90°N . Find and label the North Pole on the map.
2. The South Pole is at 90°S . Find and label the South Pole on the map.
3. Find and highlight the equator.
4. Put a box around the name of the city that is nearest the equator.
5. Circle the city that is located at 30°N .
6. How many degrees south of the equator is Brasília? _____
7. Draw a line of latitude that is about 5°N .

Understanding Longitude

Absolute
Location

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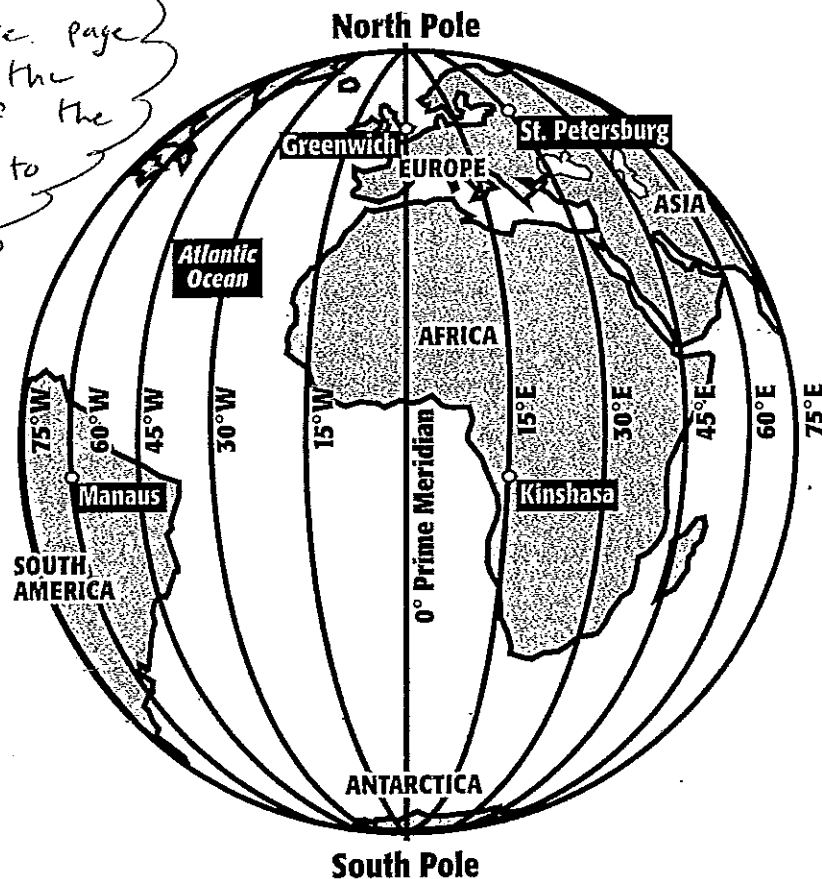
Lines of **longitude** are imaginary lines that run north to south on maps and globes. These lines are also called **meridians**. They measure the distance east and west of the **prime** meridian, which is at 0° . Lines east of the prime meridian are labeled "E." Those west of the prime meridian are labeled "W." Look at the map to answer the questions.

1. Find the prime meridian on the map below and highlight it.
2. Shade the portion of South America that lies west of 45°W .
3. Circle the city that is located at 15°E .
4. Put a box around the city that is located on the prime meridian. What is the name of the city?

5. Draw a line of longitude at 10°W .
6. Which three continents does the prime meridian pass through? _____

7. The meridian of 45°E passes through four continents. What are they?

You can use page H2 at the start of the textbook to help you.



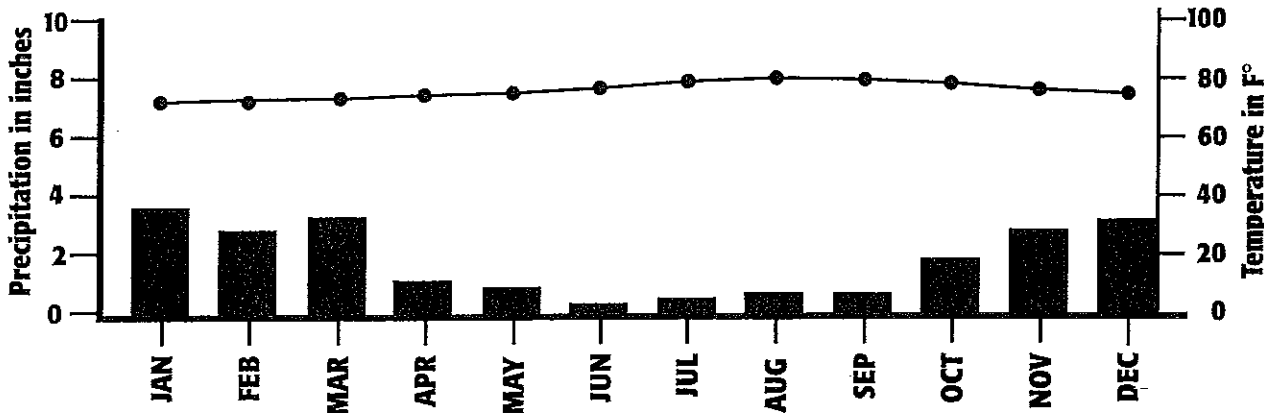
Place: Physical Characteristics



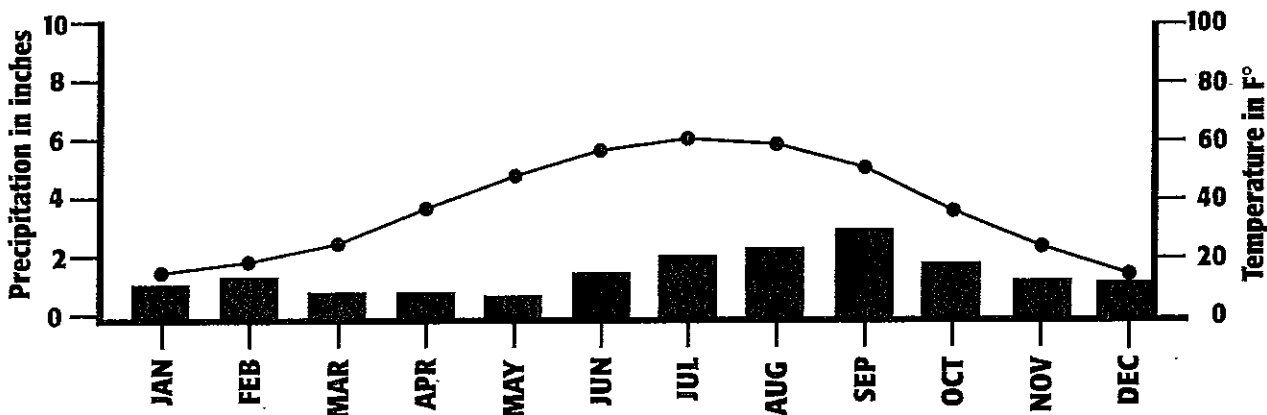
What's the Weather?

One of the best and easiest ways to describe the climate of a place is to use a **climograph**, or climate graph. It shows two of the most important elements of climate: precipitation, or rainfall, and temperature. A climograph is actually two graphs in one. The line graph shows the average monthly temperature, and the bar graph shows the average monthly precipitation. Take a look at these climographs, and then answer the questions.

The Climate of Honolulu, Hawaii



The Climate of Anchorage, Alaska



SOURCE: NATIONAL DROUGHT MITIGATION CENTER (NDMC)

1. What is the average temperature in Anchorage during March? _____
2. Look at the climograph for Honolulu. Is it drier in Honolulu in the summer or in the winter?

3. What is the average temperature for Honolulu in July? _____ For Anchorage in July?
_____ What is the difference between the two temperatures? _____
4. Which city receives more precipitation in December? _____
5. If you were to travel to Anchorage in October, what would you expect the temperature to be?
_____ The amount of precipitation? _____

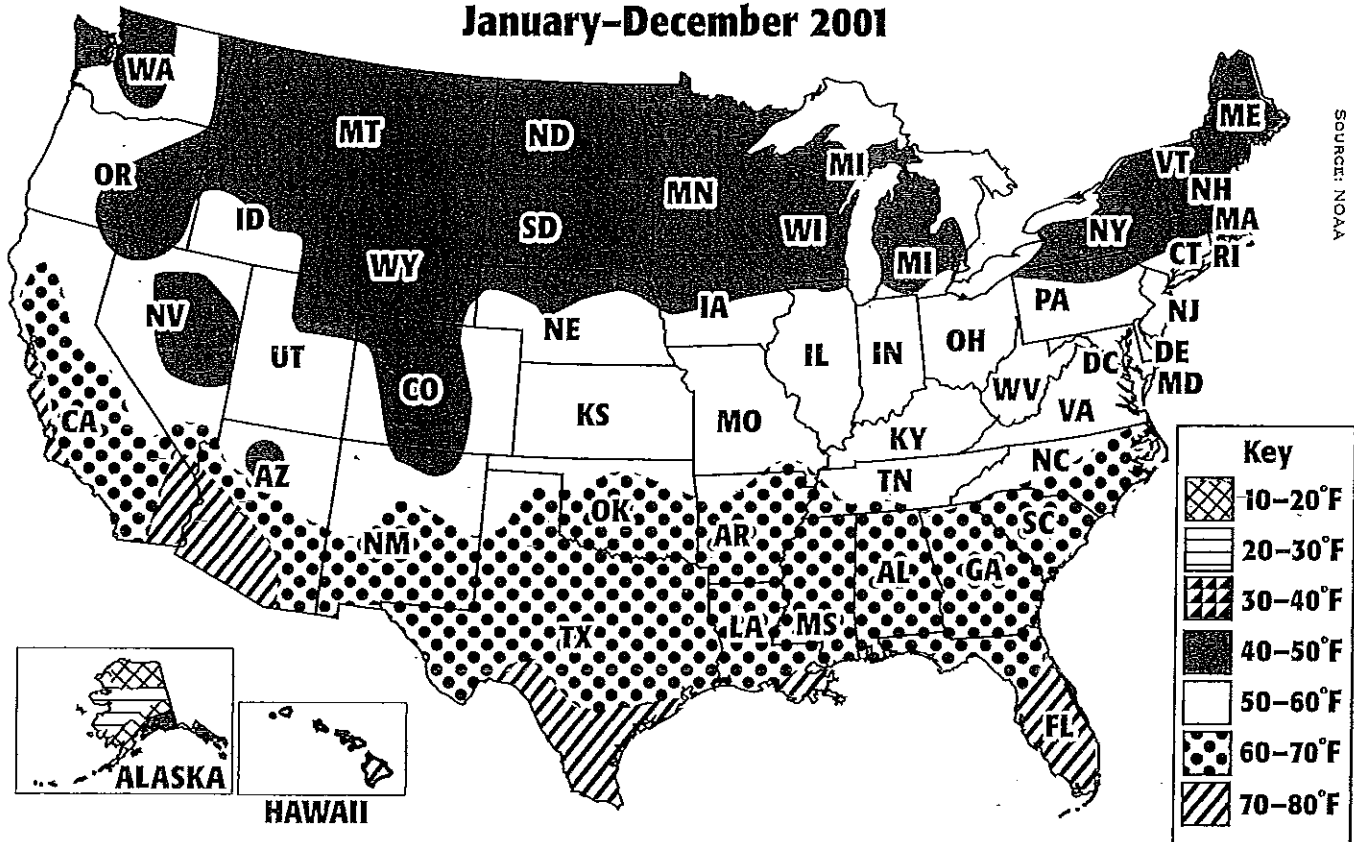
Is It Hot or Cold?

HEI: Adapt

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The weather in the United States differs greatly from place to place. Different areas of our nation have different climates. **Climate** is the weather an area has over a number of years. The climate of a place includes its average temperature and amount of precipitation. **Precipitation** is the amount of moisture that falls to earth as rain, snow, sleet or hail. Temperature maps and precipitation maps are a good way to study climate. Look at the temperature map below. Then answer the questions.

Average Yearly Temperature for the U.S. January–December 2001



1. Which state or states have the warmest average temperatures throughout the year?

2. Which state has the coldest average temperature? _____
3. What is the average temperature where you live? _____
4. What is the average temperature in northern Alaska? _____
5. Does the Northeast or the Southeast have warmer temperatures during the year? _____

BONUS: If you traveled to northern Alaska, what kind of clothes would you need to pack? Why?

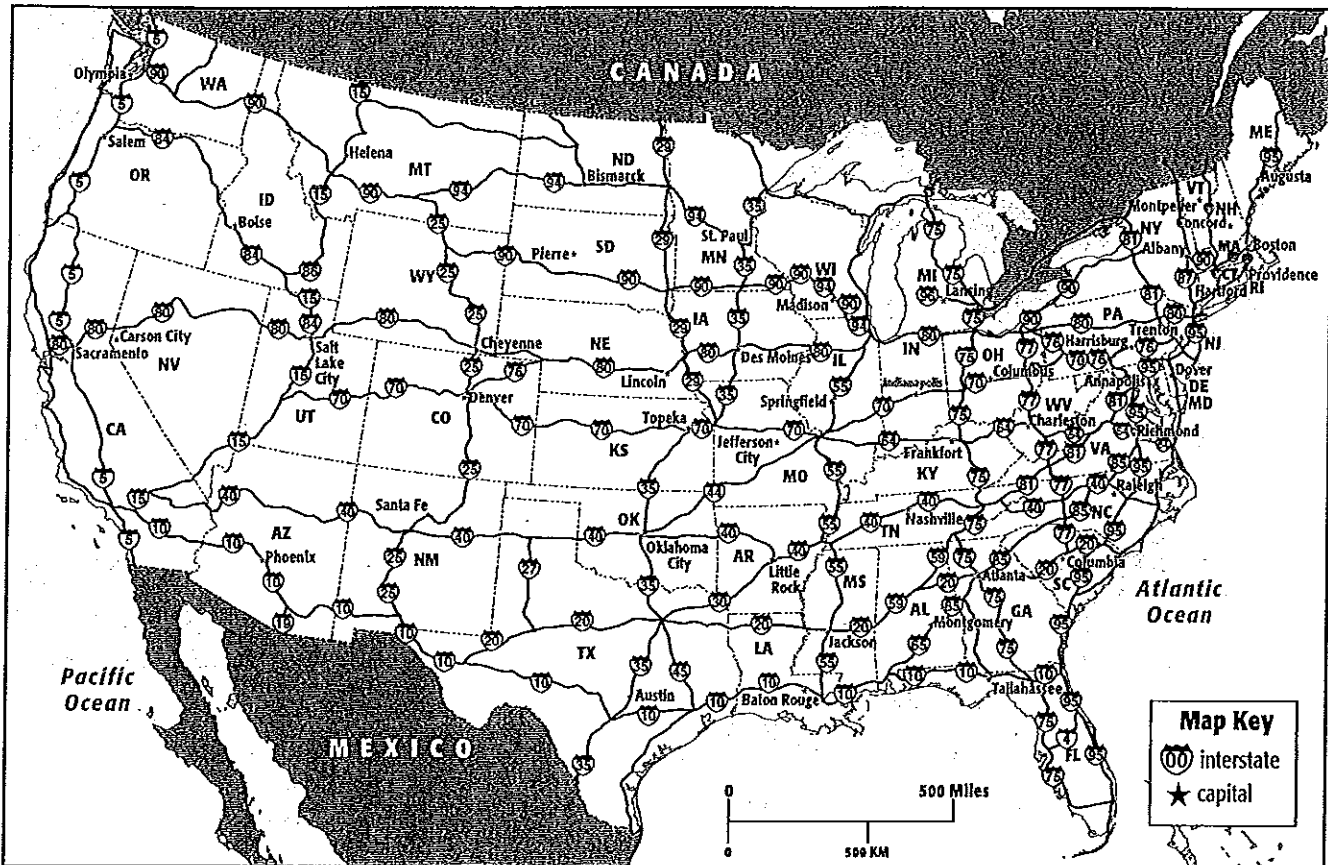
See the U.S.A.!

HEI: Modify

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You and your family want to take a car trip from Portland, Maine, to Los Angeles, California. How would you figure out the best way to get there? A **road map** is the ideal tool. Road maps show the roads that connect one place to another.

The map shows the U.S. interstate highway system. This network of 160,000 miles of roadway connects major cities and towns across the country. Use the map to answer the questions below.



1. Find and draw the map symbol for an interstate highway. _____
2. What is the purpose of this map? _____

3. Which interstate would you take from St. Paul, Minnesota, to Des Moines, Iowa? _____
4. Which interstate runs the length of the West Coast? _____
5. Name an interstate that passes through the state where you live. _____
6. If you wanted to travel from Tallahassee, Florida, to Phoenix, Arizona, which interstates would you use? _____

BONUS: Why do you think numbers are used to identify highways?

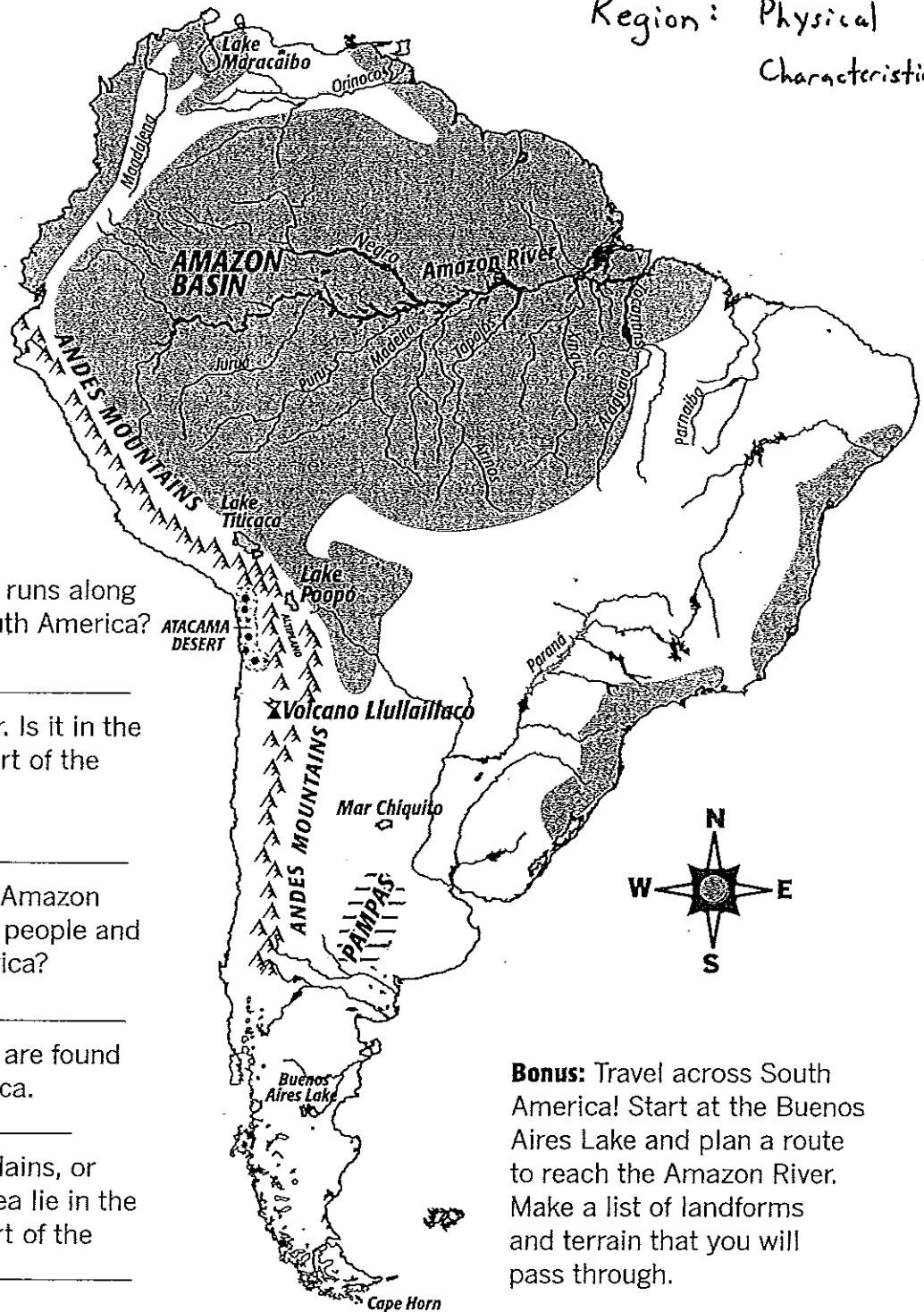
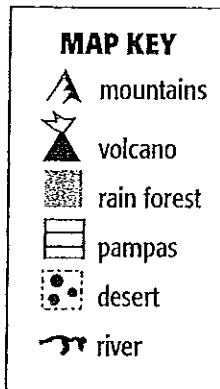
A View of South America

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A **physical map** of a place shows the characteristics of its physical environment. This type of map shows the earth's natural features, including landforms, such as mountains; bodies of water, such as lakes and rivers; and terrain, such as deserts, rain forests and grasslands.

Get to know South America by reading the physical map. Then answer the questions.

Region: Physical
 Characteristics



1. What mountain range runs along the western edge of South America?

2. Find the Amazon river. Is it in the northern or southern part of the continent?

3. Why do you think the Amazon river is important to the people and economy of South America?

4. True or False: Deserts are found throughout South America.

5. The pampas are flat plains, or grasslands. Does this area lie in the northern or southern part of the continent?

Bonus: Travel across South America! Start at the Buenos Aires Lake and plan a route to reach the Amazon River. Make a list of landforms and terrain that you will pass through.