

CHAPTER 2 Activity Workbook

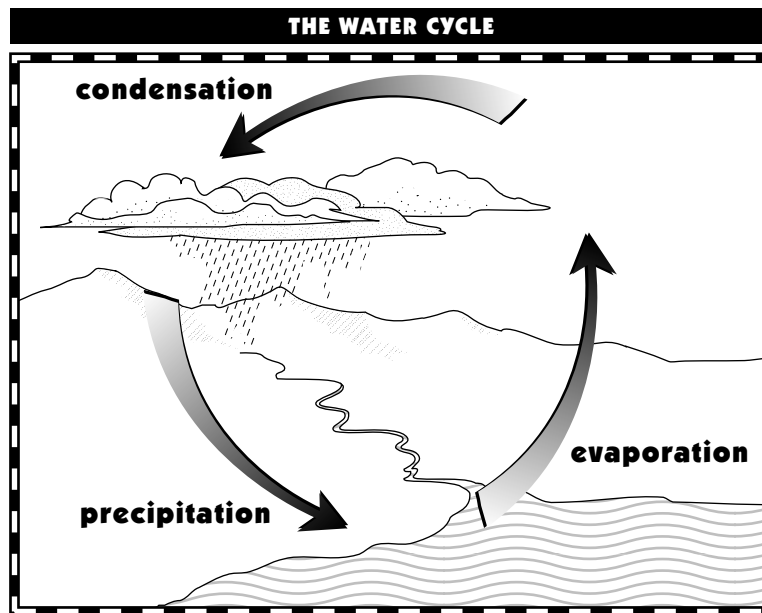


Water, Climate, and Vegetation: Activity 1

Understanding the Water Cycle

Water is vital to life on Earth. Water exists all around you. It constantly changes form through a process called the **water cycle**. Evaporation, condensation, and precipitation are the three major processes that occur during the water cycle.

DIRECTIONS: Fill in the Blanks The list below names the processes included in the **water cycle**. Study the diagram. In the space provided, write the letter of the process each statement describes. You may use each process more than once. Refer to the information in your textbook as needed.



- | | |
|---|--|
| <p>A. evaporation</p> <p>B. condensation</p> <p>C. precipitation</p> | <p>1. _____ The sun's heat turns ocean water into vapor.</p> <p>2. _____ Rain falls to the ground in the tropics.</p> <p>3. _____ Tiny water droplets come together to form clouds.</p> <p>4. _____ Water vapor changes into a liquid.</p> <p>5. _____ Snow falls to the ground in high latitude areas.</p> <p>6. _____ After groundwater returns to the ocean, this process begins again.</p> |
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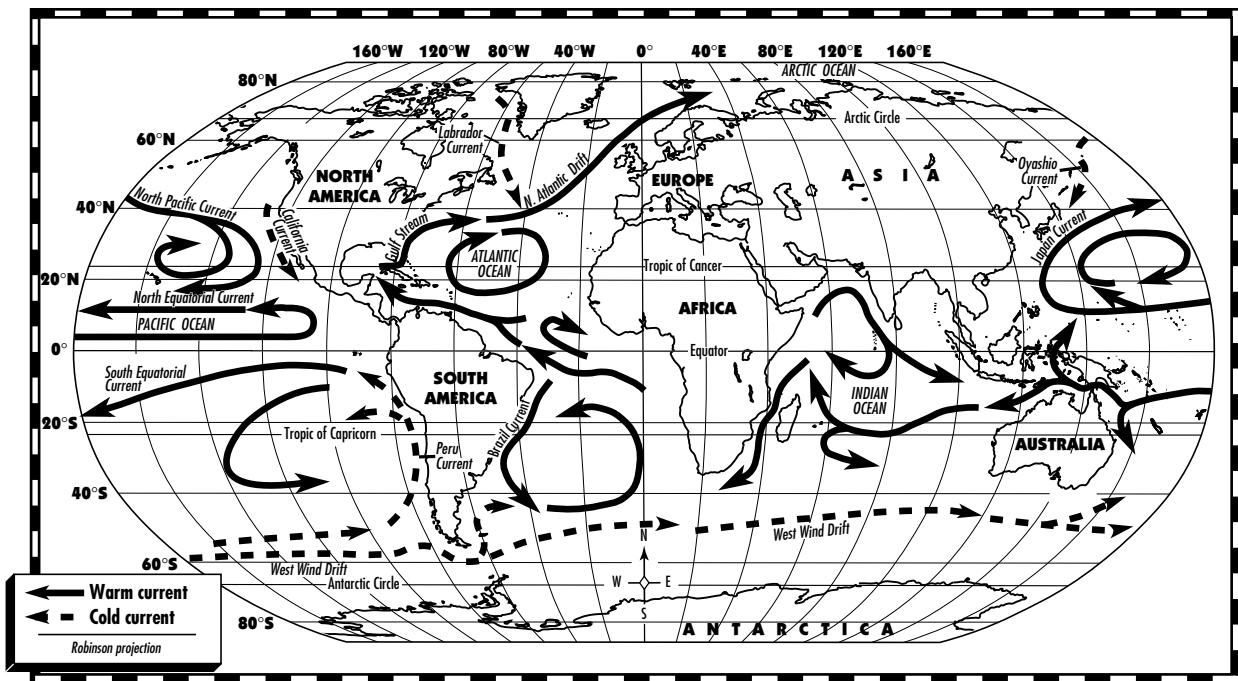


Water, Climate, and Vegetation: Activity 2

Interpreting a Map of Ocean Currents

Currents, or moving streams of ocean water, circulate the sun's heat. Warm ocean currents move from the tropics to the poles. Cold ocean currents move in the opposite direction.

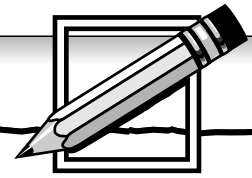
DIRECTIONS: Fill in the Blanks Study the map of the major ocean currents. Use the information from the map to complete the following statements. Write the answers in the spaces provided.



1. The _____ warms the eastern seacoast of the United States.
2. The cool _____ moves along the western coast of the United States.
3. The _____ flows south along the eastern coast of South America.
4. The _____ flows from west to east north of Antarctica.
5. The North Equatorial Current becomes the _____ .
6. The _____ flows north along the western coast of South America.
7. The _____ cools the eastern coast of Canada.

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Water, Climate, and Vegetation: Activity 3

Charting Climate Conditions in Different Regions

Climate describes the usual pattern of weather events in an area over a long time. Weather events include warm, mild, cool, hot, and cold temperatures. They also include wet and dry conditions, as well as seasonal changes in temperature and moisture.

DIRECTIONS: Make a Chart The chart below lists the different climates. Across the top of the chart, you can see various climate characteristics. Place an **X** under each characteristic that applies to a climate. Refer to the information in your textbook as needed.

CLIMATE	CHARACTERISTICS						
	warm	mild	cool	hot	cold	wet	dry
tropical rain forest	_____	_____	_____	_____	_____	_____	_____
tropical savanna	_____	_____	_____	_____	_____	_____	_____
marine west coast	_____	_____	_____	_____	_____	_____	_____
Mediterranean	_____	_____	_____	_____	_____	_____	_____
humid continental	_____	_____	_____	_____	_____	_____	_____
humid subtropical	_____	_____	_____	_____	_____	_____	_____
subarctic	_____	_____	_____	_____	_____	_____	_____
tundra	_____	_____	_____	_____	_____	_____	_____
ice cap	_____	_____	_____	_____	_____	_____	_____
highland	_____	_____	_____	_____	_____	_____	_____
desert	_____	_____	_____	_____	_____	_____	_____
steppe	_____	_____	_____	_____	_____	_____	_____