

## Skills Worksheet

# Chapter Review

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**USING KEY TERMS**

Complete each of the following sentences by choosing the correct term from the word bank.

evaporation                      condensation                      precipitation  
decomposition                      combustion                      succession

1. The breakdown of dead materials into carbon dioxide and water is called \_\_\_\_\_.
2. The gradual development of a community over time is called \_\_\_\_\_.
3. During \_\_\_\_\_, the heat causes water to change from liquid to vapor.
4. \_\_\_\_\_ is the process of burning a substance.
5. Water that falls from the atmosphere to the land and oceans is \_\_\_\_\_.
6. In the process of \_\_\_\_\_, water vapor cools and returns to a liquid state.

**UNDERSTANDING KEY IDEAS****Multiple Choice**

- \_\_\_\_\_ 7. Clouds form in the atmosphere through the process of
  - a. precipitation.
  - b. respiration.
  - c. condensation.
  - d. decomposition.
- \_\_\_\_\_ 8. Which of the following statements about groundwater is true?
  - a. It stays underground for a few days.
  - b. It is stored in underground caverns or porous rock.
  - c. It is salty like ocean water.
  - d. It never reenters the water cycle.
- \_\_\_\_\_ 9. Burning gas in an automobile is a type of
  - a. combustion.
  - b. respiration.
  - c. decomposition.
  - d. photosynthesis.
- \_\_\_\_\_ 10. Nitrogen in the form of a gas can be used directly by some kinds of
  - a. plants.
  - b. animals.
  - c. bacteria.
  - d. fungi.



**Chapter Review** *continued*

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18. What roles do humans have in the carbon cycle?

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19. Earth's atmosphere is mostly made up of what substance?

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20. Compare and contrast the two forms of succession.

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**CRITICAL THINKING**

21. **Concept Mapping** Use the following terms to create a concept map: *abandoned farmland, lichens, bare rock, soil formation, horseweed, succession, forest fire, primary succession, secondary succession, and pioneer species.*

**Chapter Review** *continued*

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22. **Identifying Relationships** Is snow a part of the water cycle? Why or why not?

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23. **Analyzing Processes** Make a list of several places where water might be found on Earth. For each item on your list, state how it is part of the water cycle.

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24. **Forming Hypotheses** Predict what would happen if the water on Earth suddenly stopped evaporating.

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25. **Forming Hypotheses** Predict what would happen if all of the bacteria on Earth suddenly disappeared.

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26. **Making Inferences** Describe why a lawn usually doesn't go through succession.

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27. **Making Inferences** Can one scientist observe all of the stages of secondary succession on an abandoned field? Explain your answer.

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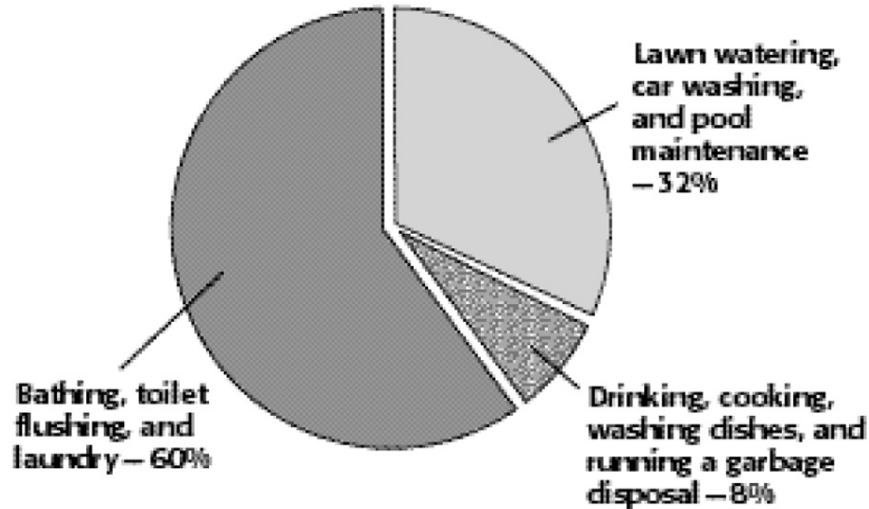
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Chapter Review *continued*

**INTERPRETING GRAPHICS**

The graph below shows how water is used each day by an average household in the United States. Use the graph to answer the questions that follow.

**Average Household Daily Water Use**



- \_\_\_\_\_ 28. According to this graph, which of the following activities uses the greatest amount of water?
- a. bathing
  - b. toilet flushing
  - c. washing laundry
  - d. There is not enough information to determine the answer.
29. An average family used 380 L of water per day, until they stopped washing their car, stopped watering their lawn, and stopped using their pool. Now, how much water per day do they use?

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