

# Study Guide

## Conserving Resources

**Directions:** Read chapter 22, and answer the following questions. Later, you can use this study guide to review.

1. Explain the difference between nonrenewable resources and renewable resources.

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2. Why do nonrenewable resources and renewable resources need to be carefully managed?

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3. Give three examples of ways to conserve energy in the kitchen.

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4. List three or four ways you can conserve water in the kitchen.

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5. What are biodegradable materials?

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6. Describe three things you can do to manage trash output.

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Chapter 22 Study Guide (continued)

7. List three ways to eliminate food waste.

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8. What are bioplastics? Give an advantage and disadvantage of using green plastics.

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9. If all the resource acres in the world were equally divided among the people, how much more than our fair share do Americans use?

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# Activity 1

## Conserving Resources

### Reduce, Recycle, Reuse

**Directions:** Make a poster for your kitchen lab area that lists reminders for conserving resources. Use the lines below to make notes. Ask your teacher for materials to make the poster.

Ways to REDUCE waste: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Ways to RECYCLE waste: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

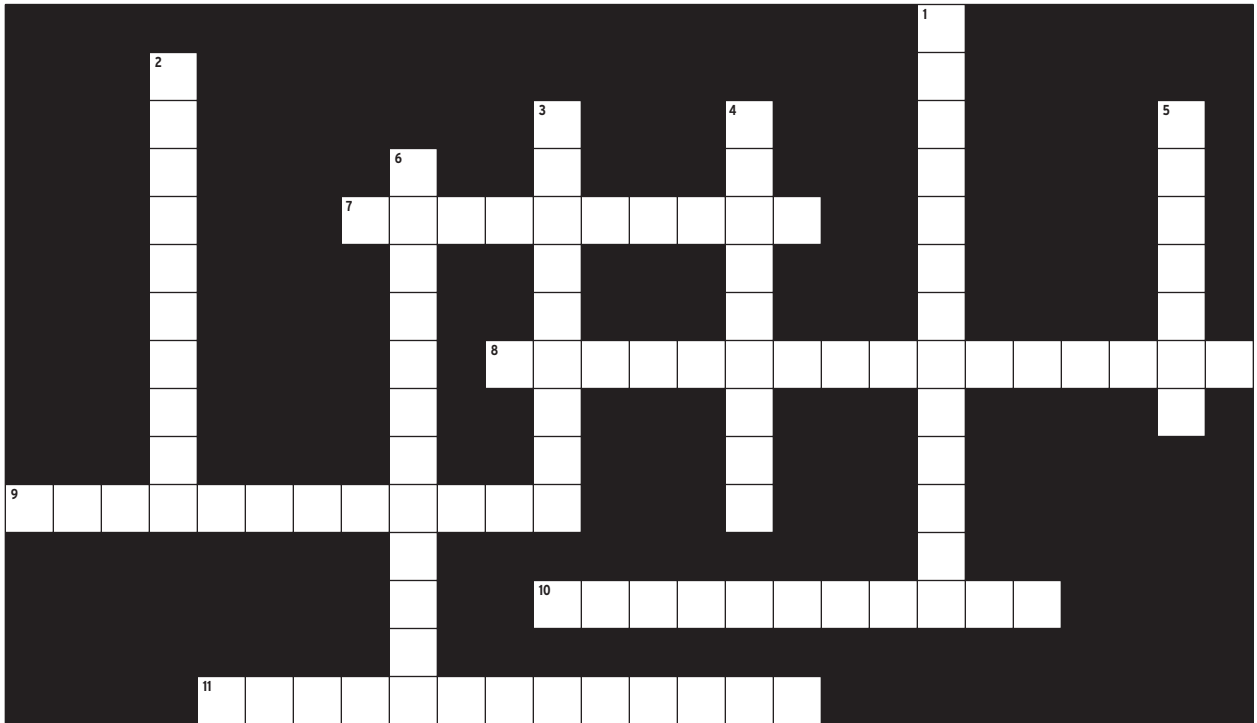
Ways to REUSE waste: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Activity 2

## Conserving Resources

### Puzzling Over Conservation

**Directions:** Complete the crossword puzzle below by placing the answers to each numbered clue in the appropriate space.



**Across**

- 7. A pile or container that holds decaying organic material that becomes fertilizer for gardens and shrubs.
- 8. An area that is insulated with clay and a plastic liner, where trash is thinly spread, compacted, and covered with a layer of soil.
- 9. Resources that are continually produced in nature, but at a rate too slow to keep up with the demand.
- 10. Bulbs that can cut up to 75 percent of your electric energy bill.
- 11. Examples include carrying groceries in your own canvas bags and buying products with limited packaging.

**Down**

- 1. Materials that break down in the landfill.
- 2. A label found on home appliances that indicates whether the items exceed the federal government's minimum standard for energy efficiency.
- 3. Any edible food that is discarded.
- 4. Resources that replace themselves rather quickly, sometimes immediately, yet also need careful management.
- 5. Reprocess discarded products so they can be used again.
- 6. Concern for the environment and its future shown by managing its resources wisely.