

Section Review

Chemical Properties

USING KEY TERMS

1. In your own words, write a definition for each of the following terms:
chemical property and chemical change.

UNDERSTANDING KEY IDEAS

- _____ 2. Rusting is an example of a
- a. physical property.
 - b. physical change.
 - c. chemical property.
 - d. chemical change.
- _____ 3. Which of the following is a characteristic property?
- a. density
 - b. chemical reactivity
 - c. solubility in water
 - d. All of the above

4. Write two examples of chemical properties and explain what they are.

5. The Statue of Liberty was originally a copper color. After being exposed to the air, she turned a greenish color. What kind of change happened? Explain your answer.

6. Explain how to tell the difference between a physical and a chemical property.

Section Review *continued*

MATH SKILLS

7. The temperature of an acid solution is 25°C . A strip of magnesium is added, and the temperature rises 2°C each minute for the first 3 min. After another 5 min, the temperature has risen two more degrees. What is the final temperature? Show your work below.

CRITICAL THINKING

8. **Making Comparisons** Describe the difference between physical and chemical changes in terms of what happens to the matter involved in each kind of change.

9. **Applying Concepts** Identify two physical properties and two chemical properties of a bag of microwave popcorn before popping and after.
