Skills Worksheet

Section Review

Chemical Properties

USING VOCABULARY

1. Write an original definition for *chemical property* and *chemical change*.

UNDERSTANDING CONCEPTS

2. Comparing Explain why rusting is a chemical change and not a physical change.

3. Describing Write two examples of chemical properties, and explain why they are chemical properties.

4. Applying Originally, the Statue of Liberty was copper colored. After being exposed to air, she turned green. What kind of change happened? Explain.

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Section Review continued

5. Summarizing What are two ways that heat can be involved in a chemical change?

CRITICAL THINKING

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

7. Applying Concepts Is melting a physical change or a chemical change? Explain your answer.

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Section Review continued

MATH SKILLS

8. Evaluating Data The temperature of an acid solution is 25°C. A strip of magnesium is added to the solution, and the temperature rises 2°C per min for the first 3 min. After an additional 5 min, the temperature has risen another 2°C. What is the final temperature of the solution? Show your work below.

CHALLENGE

9. Analyzing Processes As a candle burns, chemical changes take place. Describe two of these changes, and explain how you know that these changes are chemical changes and not physical changes.



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