Name _____ Class _____ Date _____

Skills Worksheet

Section Review

Energy and Rates of Chemical Reactions

USING KEY TERMS

The statements below are false. For each statement, replace the underlined term to make a true statement.

1. An <u>exothermic</u> reaction absorbs energy.

_____

2. The rate of a reaction can be increased by adding an <u>inhibitor</u>.

_____

UNDERSTANDING KEY IDEAS

_____ **3.** Which of the following will not increase the rate of a reaction?

a. adding a catalyst
b. increasing the temperature of the reaction
c. decreasing the concentration of reactants
d. grinding a solid into powder

4. How does the concentration of a solution affect the rate of reaction?

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CRITICAL THINKING

5. Making Comparisons Compare exothermic and endothermic reactions.

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6. Applying Concepts Explain how chewing your food thoroughly can help your body digest food.

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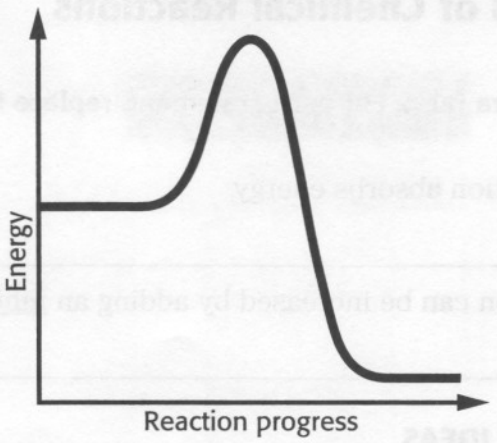
INTERPRETING GRAPHICS

Use the diagram below to answer the questions that follow.



7. Does this energy diagram show an exothermic or an endothermic reaction? How can you tell?

_____

_____

8. A catalyst lowers the amount of activation energy needed to get a reaction started. What do you think the diagram would look like if a catalyst were added?

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