

Skills Worksheet

Chapter Review**USING KEY TERMS**

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

subscript
inhibitor
product

exothermic reaction
synthesis reaction
reactant

1. Adding a(n) _____ will slow down a chemical reaction.
2. A chemical reaction that gives off heat is called a(n) _____.
3. A chemical reaction that forms one compound from two or more substances is called a(n) _____.
4. The 2 in the formula Ag_2S is a(n) _____.

UNDERSTANDING KEY IDEAS**Multiple Choice**

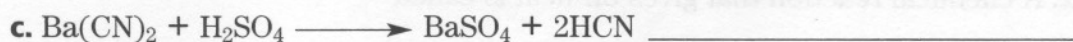
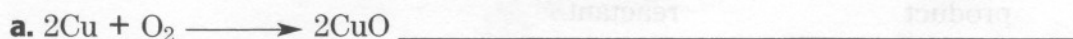
- _____ 5. Balancing a chemical equation so that the same number of atoms of each element is found in both the reactants and the products is an example of
 - a. activation energy.
 - b. the law of conservation of energy.
 - c. the law of conservation of mass.
 - d. a double-displacement reaction.
- _____ 6. Which of the following is the correct chemical formula for dinitrogen tetroxide?
 - a. N_4O_2
 - b. NO_2
 - c. N_2O_5
 - d. N_2O_4
- _____ 7. In which type of reaction do ions in two compounds switch places?
 - a. a synthesis reaction
 - b. a decomposition reaction
 - c. a single-displacement reaction
 - d. a double-displacement reaction
- _____ 8. Which of the following actions is an example of the use of activation energy?
 - a. plugging in an iron
 - b. playing basketball
 - c. holding a lit match to paper
 - d. eating

Chapter Review *continued*

- _____ 9. Enzymes in your body act as catalysts. Thus, the role of enzymes is
- to increase the rate of chemical reactions.
 - to decrease the rate of chemical reactions.
 - to help you breathe.
 - to inhibit chemical reactions.

Short Answer

10. Name the type of reaction that each of the following equations represents.



11. Describe what happens to chemical bonds during a chemical reaction.

12. Name four ways that you can change the rate of a chemical reaction.

13. Describe four clues that signal that a chemical reaction is taking place.

MATH SKILLS

14. Write balanced equations for the following:

