_____ **9.** Which of the following is NOT usually evidence of a chemical change?

a. production of gas
b. production of a new substance
c. formation of ice crystals
d. change in color

_____ **10.** In a chemical reaction, the sum of the masses of the products is equal to the sum of the

a. coefficients.
b. masses of the reactants.
c. subscripts.
d. atoms in the equation.

Fill in the blank to complete each statement.

11. The energy required to start a chemical reaction is called _____

12. A(n) _____ is a material that slows down the rate of a chemical reaction.

13. Reactions that release energy are called _____.

◆ True or False

If the statement is true, write true. If it is false, change the underlined word or words to make the statement true.

_____ **16.** Chemical reactions occur when bonds between atoms are broken or formed.

_____ **18.** In a chemical equation, the coefficient is read as "yields."

_____ **19.** A precipitate is a solid formed from solution during a chemical reaction.

_____ **20.** The reactants are the new materials produced during a chemical reaction.