

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.