

11

CHEMICAL REACTIONS

Chapter Test B

A. Matching

Match each term in Column B with the correct description in Column A. Write the letter of the correct term on the line.

Column A

- _____ 1. a reaction in which an element or compound reacts with oxygen, often producing energy in the form of heat or light
- _____ 2. a reaction in which two or more substances react to form a single substance
- _____ 3. an equation that indicates only those particles that actually take part in the reaction
- _____ 4. a substance that speeds up a reaction without being used up
- _____ 5. ions that are not directly involved in a reaction
- _____ 6. a reaction in which a single compound is broken down into two or more products
- _____ 7. an equation in which each side has the same number of atoms of each element
- _____ 8. a reaction in which atoms of an element replace the atoms of a second element in a compound
- _____ 9. a list of metals in order of decreasing reactivity
- _____ 10. a reaction that involves an exchange of positive ions between two compounds

Column B

- a. decomposition reaction
- b. activity series
- c. spectator ions
- d. balanced equation
- e. double-replacement reaction
- f. catalyst
- g. combustion reaction
- h. combination reaction
- i. net ionic equation
- j. single-replacement reaction

B. Multiple Choice

Choose the best answer and write its letter on the line.

- _____ 11. In the chemical equation $2\text{H}_2\text{O}_2(\text{aq}) \xrightarrow{\text{MnO}_2} 2\text{H}_2\text{O}(\text{l}) + \text{O}_2(\text{g})$, the MnO_2 is a:
- a. reactant.
b. product.
c. spectator ion.
d. catalyst.
- _____ 12. When the equation $\text{Mg}(\text{s}) + \text{HCl}(\text{aq}) \rightarrow \text{MgCl}_2(\text{aq}) + \text{H}_2(\text{g})$ is balanced, what is the coefficient for HCl?
- a. 1
b. 2
c. 3
d. 4

Pearson Chemistry Chapters 5 Assessment Answers

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