

## CHAPTER

## 9

## CHAPTER ASSESSMENT

# Chemical Reactions

*conceptual chem*

## Reviewing Vocabulary

Match the definition in Column A with the term in Column B.

### Column A

- \_\_\_\_\_ 1. A reaction in which a compound breaks down into two or more elements or new compounds
- \_\_\_\_\_ 2. A number written in front of a chemical formula
- \_\_\_\_\_ 3. A solid produced during a chemical reaction in a solution
- \_\_\_\_\_ 4. A solution in which the solvent is water
- \_\_\_\_\_ 5. A statement that uses chemical formulas to show the identities and relative amounts of the substances involved in a chemical reaction
- \_\_\_\_\_ 6. An equation that shows all of the particles in solution as they actually exist
- \_\_\_\_\_ 7. Substance dissolved in a solution.
- \_\_\_\_\_ 8. An equation that includes only the particles that participate in the reaction
- \_\_\_\_\_ 9. An ion that is present but does not participate in a reaction
- \_\_\_\_\_ 10. A reaction in which oxygen combines with a substance and releases heat and light energy
- \_\_\_\_\_ 11. A reaction in which the atoms of one element replace the atoms of another element in a compound
- \_\_\_\_\_ 12. A reaction involving the exchange of positive ions between two compounds dissolved in water
- \_\_\_\_\_ 13. The process by which the atoms of one or more substances are rearranged to form different substances
- \_\_\_\_\_ 14. A starting substance in a chemical reaction
- \_\_\_\_\_ 15. A substance formed during a chemical reaction
- \_\_\_\_\_ 16. A reaction in which two or more substances react to produce a single product
- \_\_\_\_\_ 17. The most plentiful substance in a solution.

### Column B

- a. aqueous solution
- b. chemical equation
- c. chemical reaction
- d. coefficient
- e. combustion reaction
- f. complete ionic equation
- g. decomposition reaction
- h. double-replacement reaction
- i. net ionic equation
- j. precipitate
- k. product
- l. reactant
- m. single-replacement reaction
- n. spectator ion
- o. synthesis reaction
- p. solute
- q. solvent