

## GLOSSARY

### A

**activity series** a list of elements organized according to the ease with which the elements undergo certain chemical reactions (265)

### C

**chemical equation** a representation, with symbols and formulas, of the identities and relative amounts of the reactants and products in a chemical reaction (241)

**coefficient** a small whole number that appears in front of a formula in a chemical equation (243)

**combustion reaction** a reaction in which a substance combines with oxygen, releasing a large amount of energy in the form of light and heat (263)

**composition reaction** a reaction in which two or more substances combine to form a new compound (256)

### D

**decomposition reaction** a reaction in which a single compound produces two or more simpler substances (259)

**displacement reaction** a reaction in which one element replaces a similar element in a compound (261)

**double-replacement reaction** a reaction in which the ions of two compounds exchange places in an aqueous solution to form two new compounds (262)

### E

**electrolysis** the decomposition of a substance by an electric current (259)

### F

**formula equation** a representation of the reactants and products of a chemical reaction by their symbols or formulas (244)

### P

**precipitate** a solid that is produced as a result of a chemical reaction in solution and that separates from the solution (242)

## GLOSSARY

### R

**reversible reaction** a chemical reaction in which the products re-form the original reactants (246)

### S

**single-replacement reaction** a reaction in which one element replaces a similar element in a compound (261)

**synthesis reaction** a reaction in which two or more substances combine to form a new compound (256)

### W

**word equation** an equation in which the reactants and products in a chemical reaction are represented by words (243)