

## Index

### A

anion

[4.9: Ion Formation](#)

atomic mass unit

[4.4: Protons, Neutrons, and Electrons](#)

atomic theory

[4.2: Early Atomic Theory](#)

### B

balanced chemical equation

[8.4: Molar Ratios and Mole-to-Mole Conversions](#)

Balancing a Chemical Equation

[7.4: Balancing Chemical Equations](#)

Bends

[14.4: Solutions of Gases in Water](#)

Bohr model

[10.4: The Bohr Model](#)

boiling point elevation

[14.8: Colligative Properties of Solutions](#)

### C

cation

[4.9: Ion Formation](#)

chemical change

[3.5: Physical and Chemical Changes](#)

chemical property

[3.4: Physical and Chemical Properties](#)

coefficient

[8.4: Molar Ratios and Mole-to-Mole Conversions](#)

Coefficients and Subscripts

[7.4: Balancing Chemical Equations](#)

colligative properties

[14.8: Colligative Properties of Solutions](#)

combustion reaction

[7.6: Combustion Reactions](#)

compound

[3.3: Composition of Matter](#)

conservation of energy

[3.8: Energy and Chemical and Physical Change](#)

conservation of mass

[3.6: Conservation of Mass](#)

### D

democritus

[4.1: Cutting Aluminum Until You Get Atoms](#)

[4.2: Early Atomic Theory](#)

dimensional analysis

[2.6: Dimensional Analysis](#)

### E

electromagnetic spectrum

[10.2: The Electromagnetic Spectrum](#)

electron

[4.4: Protons, Neutrons, and Electrons](#)

element

[3.3: Composition of Matter](#)

endothermic process

[3.8: Energy and Chemical and Physical Change](#)

exothermic process

[3.8: Energy and Chemical and Physical Change](#)

### F

formula unit

[8.3: Stoichiometry and the Molar Interpretation](#)

freezing point depression

[14.8: Colligative Properties of Solutions](#)

### H

hydrolysis

[15.9: Reactions of Acids and Bases](#)

### I

ions

[4.9: Ion Formation](#)

isotopes

[4.7: Isotopes and Mass Numbers](#)

### M

matter

[3.1: What is Matter?](#)

mixture

[3.3: Composition of Matter](#)

molarity

[14.6: Molarity](#)

mole ratio

[8.3: Stoichiometry and the Molar Interpretation](#)

### N

neutralization reaction

[15.9: Reactions of Acids and Bases](#)

neutron

[4.4: Protons, Neutrons, and Electrons](#)

### O

oxidation number

[7.6: Combustion Reactions](#)

### P

pascal (unit)

[9.3: Gas Pressure](#)

physical change

[3.5: Physical and Chemical Changes](#)

physical property

[3.4: Physical and Chemical Properties](#)

potential energy

[3.7: Energy](#)

precipitation reaction

[7.8: Precipitation Reactions](#)

proton

[4.4: Protons, Neutrons, and Electrons](#)

### R

redox reaction

[7.6: Combustion Reactions](#)

relative abundances

[4.8: Atomic Mass](#)

rounding

[2.4: Significant Figures in Calculations](#)

### S

scientific notation

[2.2: Scientific Notation](#)

Separation of Mixtures

[3.5: Physical and Chemical Changes](#)

significant figures

[2.3: Significant Figures](#)

[2.4: Significant Figures in Calculations](#)

Solubility of gases

[14.4: Solutions of Gases in Water](#)

Stability of Isotopes

[4.7: Isotopes and Mass Numbers](#)

Stock system

[5.7: Ionic Compounds Containing Polyatomic Ions](#)

stoichiometry

[8.3: Stoichiometry and the Molar Interpretation](#)

### T

temperature

[3.9: Temperature](#)

### U

unit conversions

[2.6: Dimensional Analysis](#)

units of energy

[3.7: Energy](#)

### W

work

[3.7: Energy](#)