

## Index

### A

#### acid

- [8.5: Acid-Base Definitions](#)
- [8.6: The pH Concept](#)

#### acid strength

- [9.1: Acid and Base Strength](#)

#### addition reaction

- [12.1: Organic Reactions](#)

#### aerobic respiration

- [15.2: The Citric Acid Cycle](#)

#### allosteric site

- [14.1: Enzymes](#)

#### alpha decay

- [10.1: Nuclear Radiation](#)

#### Amino acid

- [13: Amino Acids and Proteins](#)

#### aqueous solution

- [7.5: Aqueous Solutions](#)

#### Arrhenius acid

- [8.5: Acid-Base Definitions](#)

#### artificial transmutation

- [10.3: Half-Life](#)

### B

#### band of stability

- [10.1: Nuclear Radiation](#)

#### barometer

- [7.3: Kinetic-Molecular Theory](#)

#### base

- [8.5: Acid-Base Definitions](#)
- [8.6: The pH Concept](#)

#### base strength

- [9.1: Acid and Base Strength](#)

#### beta decay

- [10.1: Nuclear Radiation](#)

#### buffer

- [9.2: Buffers](#)

### C

#### Carbohydrates

- [5.2: Carbohydrate Structures](#)

#### catalyst

- [14.1: Enzymes](#)

#### chemical change

- [10.4: Physical and Chemical Changes](#)

#### chemical equations

- [10.5: Chemical Equations](#)

#### chemical equilibrium

- [8.2: Chemical Equilibrium](#)

#### chromatography

- [5.4: Chromatography](#)

#### citric acid cycle

- [15.2: The Citric Acid Cycle](#)

#### Cofactors

- [14.1: Enzymes](#)

#### collision theory

- [11.6: Rates of Reactions](#)

#### combination reaction

- [11.3: Types of Inorganic Reactions](#)

#### Combustion Reaction

- [11.3: Types of Inorganic Reactions](#)

#### competitive inhibitor

- [14.1: Enzymes](#)

#### concentration

- [8.1: Concentrations of Solutions](#)

#### condensation reaction

- [12.1: Organic Reactions](#)

#### conversion factor

- [1.3: Scientific Dimensional Analysis](#)

#### crenation

- [8.4: Osmosis and Diffusion](#)

### D

#### Decomposition reaction

- [11.3: Types of Inorganic Reactions](#)

#### diastereomers

- [5.1: Isomers](#)

#### diffusion

- [8.4: Osmosis and Diffusion](#)

#### Dimensional Analysis

- [1.3: Scientific Dimensional Analysis](#)

#### Dosing

- [10.3: Half-Life](#)

#### double bond

- [4.1: Lewis Electron Dot Structures](#)

#### double replacement reaction

- [11.3: Types of Inorganic Reactions](#)

### E

#### Electron transport chain

- [15.4: The Electron Transport Chain](#)

#### elimination reaction

- [12.1: Organic Reactions](#)

#### emulsion

- [7.6: Colloids and Suspensions](#)

### F

#### Fisher projections

- [5.2: Carbohydrate Structures](#)

#### fission

- [10.2: Fission and Fusion](#)

#### functional group

- [4.4: Functional Groups](#)

#### fusion

- [10.2: Fission and Fusion](#)

### G

#### gamma emission

- [10.1: Nuclear Radiation](#)

#### gas constant

- [7.4: The Ideal Gas Equation](#)

#### Gibbs free energy

- [11.5: Spontaneous Reactions and Free Energy](#)

#### glycolysis

- [15.1: Glycolysis](#)

### H

#### Haworth projection

- [5.2: Carbohydrate Structures](#)

#### Heating curve

- [7.2: State Changes and Energy](#)

#### hemolysis

- [8.4: Osmosis and Diffusion](#)

#### homeostasis

- [15.6: Homeostasis](#)

#### homogenous mixture

- [2.2: Matter](#)

#### hydrolysis

- [12.1: Organic Reactions](#)

### I

#### ideal gas law

- [7.4: The Ideal Gas Equation](#)

#### immiscible

- [7.5: Aqueous Solutions](#)

#### inhibitor

- [14.1: Enzymes](#)

#### inhomogenous mixture

- [2.2: Matter](#)

#### intermolecular forces

- [5.3: Polarity and Intermolecular Forces](#)

#### isomers

- [5.1: Isomers](#)

### K

#### kinetic molecular theory

- [7.3: Kinetic-Molecular Theory](#)

#### kinetics

- [11.6: Rates of Reactions](#)

### L

#### Lactic Acid Fermentation

- [15.3: Lactic Acid Fermentation](#)

#### Le Chatelier's principle

- [8.3: Le Chatelier's Principle](#)

#### Lewis electron dot symbol

- [4.1: Lewis Electron Dot Structures](#)

#### Lewis structure

- [4.2: Representing Structures](#)

#### lipids

- [14.2: Lipids and Triglycerides](#)

#### lock and key

- [14.1: Enzymes](#)

### M

#### matter

- [2.2: Matter](#)

#### molecular compound

- [3.1: Molecular Compounds](#)

#### monosaccharides

- [5.2: Carbohydrate Structures](#)

### O

#### osmosis

- [8.4: Osmosis and Diffusion](#)

#### oxidation

- [11.2: The Nature of Oxidation and Reduction](#)

#### oxidation numbers

- [11.1: Oxidation Numbers](#)

#### oxidative phosphorylation

- [15.4: The Electron Transport Chain](#)

## P

Percentages

[1.4: Percentages](#)

pH

[8.6: The pH Concept](#)

phase transitions

[7.2: State Changes and Energy](#)

Physical change

[10.4: Physical and Chemical Changes](#)

polarity

[5.3: Polarity and Intermolecular Forces](#)

polymerization

[12.1: Organic Reactions](#)

positron emission

[10.1: Nuclear Radiation](#)

ppm

[8.1: Concentrations of Solutions](#)

## R

radiocarbon dating

[10.3: Half-Life](#)

Redox

[11.2: The Nature of Oxidation and Reduction](#)

reduction

[11.2: The Nature of Oxidation and Reduction](#)

## S

single replacement reaction

[11.3: Types of Inorganic Reactions](#)

skeletal structure

[4.2: Representing Structures](#)

solution

[7.5: Aqueous Solutions](#)

spontaneous process

[11.5: Spontaneous Reactions and Free Energy](#)

States of Matter

[7.1: States of Matter](#)

substitution reaction

[12.1: Organic Reactions](#)

Suspensions

[7.6: Colloids and Suspensions](#)

## T

triglycerides

[14.2: Lipids and Triglycerides](#)

triple bond

[4.1: Lewis Electron Dot Structures](#)

Tyndall effect

[7.6: Colloids and Suspensions](#)

## V

VSEPR

[4.3: Electron Group Geometry](#)