

Key Terms and Some Colors You Should Know

Activated Complex	Half-Life	Polarity (Bond and Molecular)
Actinide Series	Heisenberg Uncertainty	Principle Quantum Number
Adsorption	Henerson-Hasselbalch Eq.	Raoult's Law
Alpha Particle	Henry's Law	Rate constant
Amine	Hess' Law	Reduction
Amorphous Solid	Heterogeneous	Root Mean Square Velocity
Amphoteric	Homogeneous	Shielding
Aufbau principle	Hunds's Rule	Sigma Bond
Azimuthal quantum number (l)	Hybrid Orbitals	Solute
Beta Particle	Hydrogen Bonding	Solvent
Buffer Capacity	Hydrophillic	Solution
cathodic protection	hydrophobic	Solubility
Chain reaction (nuclear)	Ideal Gas	Spectator Ions
Chromatography	Ideal Solution	STP
Coagulation	Intermediate	Stereoisomerism
Colligative Properties	Intermolecular Forces	Strong Base, Acid, Electrolyte
Colloid	Ion	Structural Formula
Common Ion Effect	Ionic Bonding	Sublimation
Concentration Cell	Ionization Energy	Subshell
Conjugate acid	Isomers	Supercooling
Conjugate base	Isotopes	Thermodynamics
Coordination Compound	Kinetic Molecular Theory	Tyndall Effect
Core Electron	Kinetic Energy	Valence Electrons
Columbs's Law	Lanthanide Series	VanDer Waal's Equation
Covalent Bonding	Lattice Energy	van't Hoff Factor
Critical point	Le Chateliers's Principle	Vapor Pressure
Delocalization	Lewis Acid and Base	Viscosity
Dialysis	Lewis Structure	Volt
Diffusion	London Dispersion Force	Weak electrolyte
Dipole	Lone Pair	
Effective Nuclear Charge	Magnetic Quantum Number	Colors of Ions
Electromagnetic Radiation	Mass Defect	Cu^{2+} blue
Electron Affinity	Mass Percent	$\text{Cr}_2\text{O}_7^{2-}$ orange
Electronegativity	Molality	Fe^{2+} yellow
Empirical Formula	Molal Freezing pt. Constant	Fe^{3+} red
End Point	Molal Boiling pt. Constant	MnO_4^- purple
Enthalpy	Nernst Equation	CrO_4^{2-} yellow
Entropy	Network Solid	Co^{2+} red
Enzyme	Neutron	Cr^{3+} orange
Equivalence Point	Nonelectrolyte	Ni^{2+} teal (green)
Exothermic	Octet Rule	Hg^{2+} red
Equilibrium	Osmosis	
Faraday	Oxidation	Flame Tests Colors
Fission	Oxidation Number	K Purple
Formal Charge	Pauli Exclusion Principle	Ba Green
Free Energy ΔG	Penetration	Sr Red
Fusion	Percent Yield	Na Yellow/Orange
Galvanic Cell	pH	Li Red
Graham's Law of Effusion	Phase Diagram	Ca Brick Red
Ground State	Pi Bond	Cu Blue/Green
Haber Process		