

Common Ions

<u>1+</u>	<u>2+</u>
Ammonium NH ₄ ⁺	Mercury (I) Hg ₂ ²⁺
Hydronium H ₃ O ⁺	Mercury (II) Hg ²⁺

Names
 Formulas
 Charges

<u>1-</u>	<u>2-</u>	<u>3-</u>
Acetate, CH ₃ COO ⁻	Carbonate, CO ₃ ²⁻	Phosphate, PO ₄ ³⁻
Bicarbonate, HCO ₃ ⁻	Chromate, CrO ₄ ²⁻	
Thiocyanate, SCN ⁻	Dichromate, Cr ₂ O ₇ ²⁻	
Hydroxide, OH ⁻	Oxalate, C ₂ O ₄ ²⁻	
Nitrate, NO ₃ ⁻	Sulfate, SO ₄ ²⁻	
Nitrite, NO ₂ ⁻	Sulfite, SO ₃ ²⁻	
Permanganate, MnO ₄ ⁻		

Apply Solubility Rules
 See Page 125 in Chemistry: The Central Science

Strong Acid/Bases
 See Page 129 in Chemistry: The Central Science

Names
 Formulas

Acids

Hydrochloric, HCl
 Hydrobromic, HBr
 Hydroiodic, HI
 Chloric, HClO₃
 Perchloric, HClO₄
 Nitric, HNO₃
 Sulfuric, H₂SO₄

Bases

Group 1 metal hydroxide
 Heavy Group 2 hydroxides

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 Quiz

General Chemistry Chapter Review Assignment

- Chapter 1 (Matter, Energy and Measurement)
 - 2/3/19/21/23/37/49/59/63
- Chapter 2 (Atoms, Molecules, and Ions)
 - 2/4/5/21/23/35/49/57/71/73/77
- Chapter 3 (Stoichiometry)
 - 1/3/9/11/15/21/29/35/39/47/63/69/73/75
- Chapter 4 (Aqueous Reactions and Solutions)
 - 1/5/17/21/23/39/59/63
- Chapter 6 (Electronic Structure of Atoms)
 - 11/17/35/67/71/73/75
- Chapter 7 (Periodic Properties)
 - 4/25/27/37/55
- Chapter 8 (Basics of Chemical Bonding)
 - 5/11/13/15/17/19/34/35/41/43
- Chapter 9 (Molecular Geometries and Bonding)
 - 2/16/21/29/
- Chapter 11 (Liquids & IMF's)
 - 1/41
- Chapter 15 (Chemical Equilibrium)
 - 1/5/15/17/61
- Chapter 16 (Acid-Base Equilibrium)
 - 1/13/14/15/16/19/21/23
- Chapter 21 (Nuclear Chemistry)
 - 1/3/4/9/11/33

Homework



End of Chapter Questions
 All Review
 Best Work