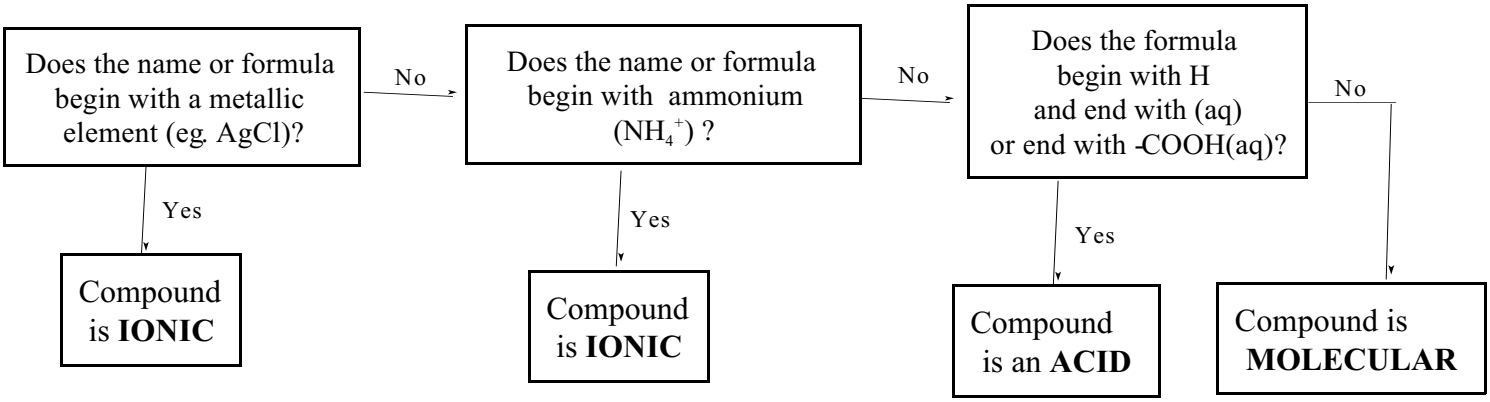
To Determine Whether a Compound is Molecular, Ionic or an Acid



Memorized Names and Formulas

Molecular Elements:

- Nitrogen - N_2
- Oxygen - O_2
- Hydrogen - H_2
- Fluorine - F_2
- Chlorine - Cl_2
- Bromine - Br_2
- Iodine - I_2
- Phosphorus - P_4
- Sulfur - S_8
- Ozone - O_3

Acids:

- Hydrochloric - $HCl_{(aq)}$
- Nitric - $HNO_{3(aq)}$
- Sulfuric - $H_2SO_{4(aq)}$
- Acetic - $CH_3COOH_{(aq)}$

Acid Naming Rules:

Ionic Name	Acid Name
_____ ide	Hydro_ ___ic acid
_____ ate	_____ ___ic acid
_____ ite	_____ ___ous acid

Molecular Compounds

- Ammonia - NH_3
- Glucose - $C_6H_{12}O_6$
- Sucrose - $C_{12}H_{22}O_{11}$
- Ethanol - C_2H_5OH
- Ethane - C_2H_6
- Hydrogen Peroxide - H_2O_2
- Methane - CH_4
- Methanol - CH_3OH
- Methane - CH_4

Prefixes:

1-mono	4-tetra	7-hepta	
2-di	5-penta	8-octa	
3-tri	6-hexa	9-nona	10-deca