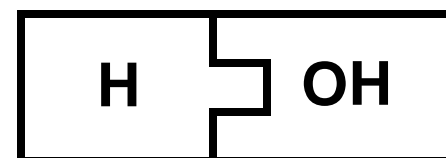
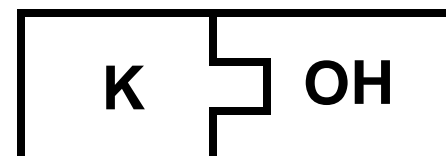
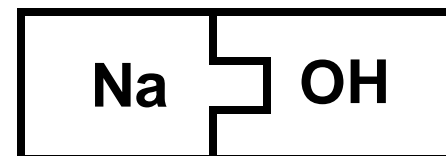
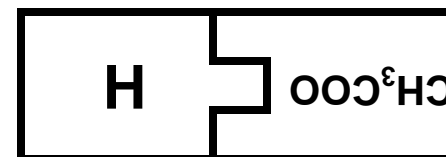
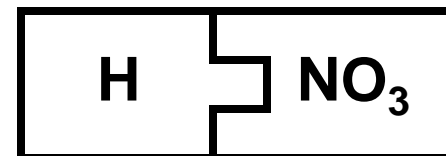
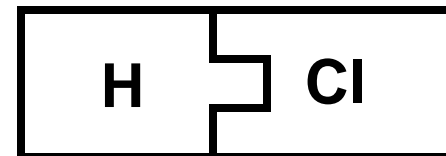
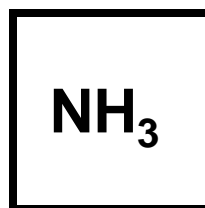
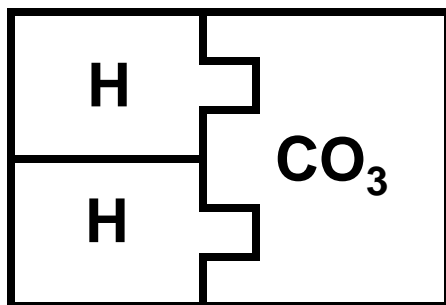
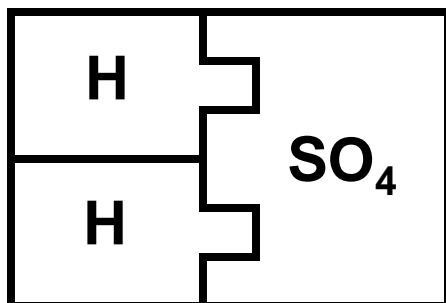
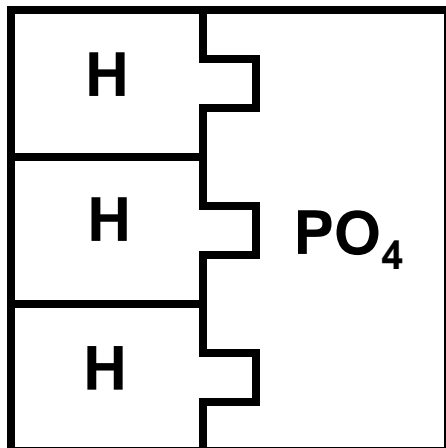


Chemical Formula Models - Acids, Bases and Polyatomic Ions



The Chemical Formula of Acids, Bases and Polyatomic Ions

1. Acids

Phosphoric acid	H_3PO_4
Sulfuric acid	H_2SO_4
Carbonic acid	H_2CO_3
Hydrochloric acid	HCl
Nitric acid	HNO_3
Acetic acid	CH_3COOH

Acids produce hydrogen ions in solution, H^+

2. Alkalis (soluble bases)

Sodium hydroxide	NaOH
Potassium hydroxide	KOH
Ammonia	NH_3

Bases produce hydroxide ions in solution, OH^-

3. Ions (charged particles)

→	Phosphate ion	PO_4^{3-}
→	Sulfate ion	SO_4^{2-}
→	Carbonate ion	CO_3^{2-}
→	Chloride ion	Cl^-
→	Nitrate ion	NO_3^-
→	Acetate ion	CH_3COO^-
	Hydrogen ion	H^+
→	Hydroxide ion	OH^-
→	Hydroxide ion	OH^-
→	Ammonium ion	NH_4^+

4. Chemical Equations

