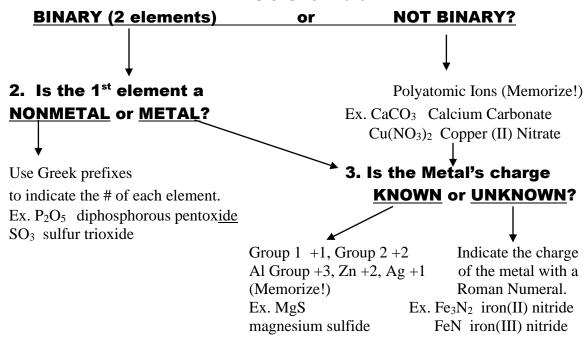
#### CHEMICAL FORMULA ⇔ NAMING

# I. COMPOUND FORMULA TO NAME

NOTE: Binary Compounds always end in -ide.

### 1. Is the formula



#### II. NAME TO COMPOUND FORMULA

NOTE: Compound charges have to add up to zero.

# 1. If the compound name starts with ammonium, start with $NH_4$

#### 2. Does the compound name end in OR -ate or -ite -ide? 3. Is it hydroxide, cyanide, or peroxide? **Polyatomic Ion** Ex. aluminum sulfate NO $Al_2(SO_4)_3$ **Polvatomic Ion Binary** Iron(II) nitrite $Fe(NO_2)_2$ Ex. Calcium hydroxide $Ca (OH)_2$ **Nonmetal (Greek Prefixes)** Metal Ex. triphosphorous decaoxide sodium nitride $P_3O_{10}$ Na<sub>3</sub>N

## III. ACIDS

NOTE: All acids have H at the beginning of the compound.

