

Rules for Naming Compounds

1. Name the 1st element as seen on periodic table.
2. Name the 2nd element, but change the ending to **-ide**.
3. If the 1st element is a **metal**, then the compound is **ionic** and the name is **complete**.
4. If the 1st element is a **nonmetal**, then the compound is **covalent** and you add **prefixes**.

1- mono

2- di

3- tri

4- tetra

5- penta

6- hexa

7- hepta

8- octa

9- nona

10- deca

*** Exception: DO NOT use Mono for the first element***

Examples:

1. Metals are on the (left/right) side of the periodic table.
2. A Metal and Nonmetal together makes a(n) (ionic/covalent) compound which (does/does not) use prefixes.

3. K_2O potassium oxide

4. S_2O disulfur monoxide

5. NCl_3 nitrogen trichloride

6. $AlCl_3$ aluminum chloride

7. P_2O_5 diphosphorus pentoxide