

*Covalent = Nonmetal
(Molecular) + Nonmetal*

*Ionic
metal + Nonmetal*

Naming Compounds

Begins w/
Non-Metal

Begins w/
Metal

Begins w/
"H"

- Use **Prefixes**
- Name left atom 1st
- Mono **not** used for 1st atom
- Change 2nd atom ending to **-ide**

Name metal
1st

monatomic

polyatomic

- | | |
|-----------------|-----------------|
| 1: <i>mono</i> | 6: <i>hexa</i> |
| 2: <i>di</i> | 7: <i>hepta</i> |
| 3: <i>tri</i> | 8: <i>octa</i> |
| 4: <i>tetra</i> | 9: <i>nona</i> |
| 5: <i>penta</i> | 10: <i>deca</i> |

Change **nonmetal**
(not **polyatomic ion**)
ending to **-ide**

Prefix:
Hydro
Suffix:
ic

ending -ite

ending -ate

If transition metal...
use
Roman Numeral

If not a transition
metal... Your **DONE**

ending changes to
ous

ending changes to
ic

- Look at NM Charge
- multiply subscript by charge = total charge
- Overall compound charge must = zero