**Naming Compounds**

Name trans. Metal

(charge on trans. Metal) name polyatomic ion

Ionic Compound:

Name trans. Metal (charge on trans metal) root of non-metal +ide

Binary / Polyatomic

Name trans. Metal

Root non-metal +ide

Ni, Zn, Ag, Cd

Regular?

1-mono

2-di

3-tri

4-tetra

5-penta

6-hexa

7-hepta

8-octa

9-nona

10-deca

1-meth 6-hex

2- eth 7-hept

3-prop 8-oct

4-but 9-non

5-pent 10-dec

-Drop hydro

-ate=ic acid

-ite=ous acid

-other=ic acid

Hydrocarbon:

# carbon +ane

Acids:

Binary / Polyatomic

1st non-metal Root of 2nd non-metal +ide

(add prefix for (add prefixes for #of atoms)

# of atoms,

Omitting mono)

CXHy?

H?

Molecular Substances?

Name of metal name of ion

Binary Compound:

Name of metal

root of nonmetal +ide

Polyatomic?

Two elements?

Metal?

Non-metal?

Transition Metal?

Hydro root of non-metal +ic acid