

NAMING COMPOUNDS

C, N, P, Si, S METALS (1st)

Prefix ^{need prefix}

- 2- di
- 3- tri
- 4- tetra
- 5- penta
- 6- hexa
- 7- hepta
- 8- octa
- 9- nona
- 10- deca

(don't use roman numerals for 1st element)

Root

- Sodium
- Potassium
- Calcium
- Phosphorus
- Nitrogen
- Carbon

tells how many guys

+ Cations

Suffix

- I → +1
- II → +2
- III → +3
- IV → +4
- V → +5
- VI → +6
- VII → +7
- VIII → +8

need for transition metals

- Cu
- Co
- Fe
- Sr
- Mn
- Cr
- Ni
- Pb

Popular ones

tells charge on guys

Prefix

- 1- mono
- 2- di
- 3- tri
- 4- tetra
- 5- penta
- 6- hexa
- 7- hepta
- 8- octa
- 9- nona
- 10- deca

NON-METALS

Root

- Chlor-
- Brom-
- Iod-
- SX-

(2nd) anions

Suffix

-ide - Binary (2 elements)

-ite) ternary (3 elements)
-ate)

NAMING ACIDS

Metal

Prefix

Hydro-
↑
when you see
this think
Binary

Suffix

X

X

Prefix

X

X

Suffix

-ic

(ide becomes ic)

ate-ic

ite-ous

non-metal

Root

chlor

Sulf

Nitr

* Diatomic Gases *

If any of these elements are alone, they must exist as 2 of them together.

$I_2, Br_2, Cl_2, F_2, O_2, N_2, H_2$

Iron Fe
Cobalt Co
Iodine I₂

"I brought clay for our new home"