

# NAMING & WRITING RULES

## Ionic (no prefix)

- 1) write  $\oplus$  ion (symbol & charge)
- 2) write  $\ominus$  ion (symbol & charge)
- 3) criss - cross

\* reduce  
\* wrap polyatomic ions & leave alone (ate or ite)

metal + non metal  
or  
polyatomic

- 1) name metal or 1st thing
- 2) name non-metals or 2nd thing w/ -ide ending unless polyatomic

use roman numerals for metals

## Covalent / Molecular (prefixes)

- 1) prefixes become subscripts
- 2) write 1st element symbol
- 3) write 2nd symbol

Done

2 non-metals

- 1) name 1st thing
  - 2) name 2nd thing w/ -ide ending
- \* use prefixes  
\* no mono on 1st thing

- MONO - 1
- DI - 2
- TRI - 3
- tetra - 4
- penta - 5
- hexa - 6
- hepta - 7
- octa - 8
- nona - 9
- deca - 10

ite - ous

ate - ic

$O^{-2}$  -> no hydro

$O^{-2}$  -> hydro

@ beginning of acid

molecular formula  
molar mass  
molar mass

empirical - %/atomic #

$IO_4^-$	periodate
$PO_3^{3-}$	phosphite
$SeO_4^{2-}$	selenate