

Nomenclature of Binary Covalent Compounds

STEPS:

1. Write out the element names.
2. The SECOND element ends with "IDE"
3. Count the number of atoms you have for each element.
4. Place the PREFIX that corresponds with the number,
NOTE: we will not use mono

Example 1: CF_4

1. Carbon Fluorine
2. Carbon FluorIDE
3. 1 Carbon 4 Fluoride
4. Carbon **tetra**fluoride

We will not be using mono.
Use no prefix to represent one atom.

****These are ONLY used for
COVALENT BONDS!!

Numbers and Their Corresponding Prefixes:

Prefix	Means:
mono- (or mon-)	1
di-	2
tri-	3
tetra-	4
penta-	5
hexa-	6
hepta-	7
octa-	8
nona-	9
deca-	10

Example 2: $\text{N}_2 \text{F}_2$ **D**initrogen **di**fluoride

Example 3: Chlorine **penta**fluoride

