

## Chemistrian

1. Elements names are **NOT** capitalized. Neither is the second letter of the elements symbol.

Na \_\_\_\_\_

silicon \_\_\_\_\_

calcium \_\_\_\_\_

chlorine \_\_\_\_\_

phosphorus \_\_\_\_\_

H \_\_\_\_\_

Be \_\_\_\_\_

He \_\_\_\_\_

lithium \_\_\_\_\_

Al \_\_\_\_\_

O \_\_\_\_\_

nickel \_\_\_\_\_

S \_\_\_\_\_

nitrogen \_\_\_\_\_

2. Ionic compounds (Metal combined with a non-metal)

Metal names go first, non-metal second.

Metal ions do not change, non-metal names change to "ide"

Going from names to symbols match up the charges first, to see how many elements you have.

$\text{Li}_2\text{S}$  \_\_\_\_\_

potassium chloride \_\_\_\_\_

$\text{FeCl}_3$  \_\_\_\_\_

sodium sulfide \_\_\_\_\_

$\text{K}_3\text{N}$  \_\_\_\_\_

hydrogen fluoride \_\_\_\_\_

Draw one of the above.

### 3. Molecular compounds (At least two non-metals)

At least two non metals

Named with the "Prefix" in front on the element name for how many atoms are in the compound.

Last element still ends in "ide"

<b>Prefix</b>	<b>Number of atoms</b>
mono	1
di	2
tri	3
tetra	4
penta	5
hexa	6

carbon monoxide \_\_\_\_\_

$\text{CO}_2$  \_\_\_\_\_

dinitrogen monoxide \_\_\_\_\_

$\text{P}_4\text{O}_{10}$  \_\_\_\_\_

sulfur hexafluoride \_\_\_\_\_

$\text{N}_2\text{O}_5$  \_\_\_\_\_

### 4. What are 6 chemical formulas for common household products?

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_