

**VOCABULARY**

For each word, provide a short but specific definition from YOUR OWN BRAIN! No boring textbook definitions. Write something to help you remember the word. Explain the word as if you were explaining it to an elementary school student. Give an example if you can. Don't use the words given in your definition!

Coefficients (in reactions): \_\_\_\_\_

Ion: \_\_\_\_\_

Cation: \_\_\_\_\_

Element: \_\_\_\_\_

Anion: \_\_\_\_\_

Compound: \_\_\_\_\_

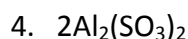
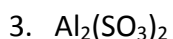
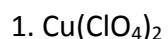
Binary compound: \_\_\_\_\_

Tertiary compound: \_\_\_\_\_

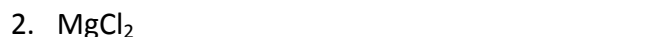
Subscript: \_\_\_\_\_

**Lesson 1: Naming & Formula Writing (Binary Compounds)**

*How many atoms of each are in the following compounds:*



*Name the following compounds:*



*Write the chemical formula for the following compounds:*

*(\*\*\*Make sure the total charge of the compound is equal to zero)*

1. Cesium fluoride: \_\_\_\_\_

4. Barium sulfide: \_\_\_\_\_

2. Potassium Oxide \_\_\_\_\_

5. Aluminum Chloride \_\_\_\_\_

3. Magnesium Iodide \_\_\_\_\_

6. Calcium Phosphate \_\_\_\_\_

### Lesson 2: Naming & Formula Writing (multiple charges)

Name the following compounds (\*\*\*)Don't forget to use roman numerals)

1. FeBr<sub>2</sub> \_\_\_\_\_

3. NiF<sub>3</sub> \_\_\_\_\_

2. FeBr<sub>3</sub> \_\_\_\_\_

4. CuCl \_\_\_\_\_

5. CO \_\_\_\_\_

6. PCl<sub>4</sub> \_\_\_\_\_

Write the chemical formula for the following:

1. Chromium (VI) oxides \_\_\_\_\_

3. Iron (III) oxide \_\_\_\_\_

2. Iron(II) oxide \_\_\_\_\_

4. Lead (IV) iodide \_\_\_\_\_

5. Carbon (IV) oxide \_\_\_\_\_

6. Nitrogen (IV) oxide \_\_\_\_\_

### Lesson 3: Naming & Formula Writing (Tertiary Compounds)

Name the following compounds

1. NH<sub>4</sub>Cl \_\_\_\_\_

3. H<sub>2</sub>CO<sub>3</sub> \_\_\_\_\_

2. NaOH \_\_\_\_\_

4. CaSO<sub>4</sub> \_\_\_\_\_

5. Na<sub>2</sub>SO<sub>4</sub> \_\_\_\_\_

6. Ba(NO<sub>3</sub>)<sub>2</sub> \_\_\_\_\_

Writing the chemical formula for the following:

1. Sodium nitrate \_\_\_\_\_

3. Calcium Nitrate \_\_\_\_\_

2. Lithium Hydroxide \_\_\_\_\_

4. Potassium Phosphate \_\_\_\_\_