

NAME \_\_\_\_\_

Period \_\_\_\_\_

## NOMENCLATURE NAMING COMPOUNDS

Study these 15 compounds. There are three main types here (5 examples of each). Use your Reference Tables, both the periodic table and your ion table, and try to group the compounds based on their similarities.

Once you have found your three groups, please fill out the worksheet on the back.

COMPOUNDS:

$\text{CaCl}_2$ .....calcium chloride

$\text{Ag}_2\text{S}$ .....silver sulfide

$\text{PCl}_3$  .....phosphorus trichloride

$\text{N}_2\text{O}_5$  .....dinitrogen pentoxide

$\text{MgO}$ .....magnesium oxide

$\text{Li}_3\text{P}$ .....lithium phosphide

$\text{Na}_3\text{PO}_4$ .....sodium phosphate

$\text{CsNO}_3$  .....cesium nitrate

$\text{CCl}_4$ .....carbon tetrachloride

$\text{CaSO}_4$ .....calcium sulfate

$(\text{NH}_4)_2\text{CO}_3$  .....ammonium carbonate

$\text{CO}$ .....carbon monoxide

$\text{CO}_2$  .....carbon dioxide

$\text{BaF}$  .....barium fluoride

$\text{NaClO}_3$  .....sodium chlorate

REMEMBER, THERE ARE THREE GENERAL TYPES OF COMPOUNDS LISTED HERE.  
Keep in mind the similarities between them.

## NAMING COMPOUNDS WORKSHEET

2

### **1st Group of Compounds :**

Formula

Name

1. \_\_\_\_\_

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

3. \_\_\_\_\_

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

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

What do these 5 compounds all have in common that led you to put them in the same group.

How these compounds were named:

### **2nd Group of Compounds :**

Formula

Name

1. \_\_\_\_\_

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

3. \_\_\_\_\_

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

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

What do these 5 compounds all have in common that led you to put them in the same group.

How these compounds were named:

### **3rd Group of Compounds :**

Formula

Name

1. \_\_\_\_\_

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

3. \_\_\_\_\_

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

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

What do these 5 compounds all have in common that led you to put them in the same group.

How these compounds were named: