

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:

CaCl_2calcium chloride

Ag_2Ssilver sulfide

PCl_3 phosphorus trichloride

N_2O_5 dinitrogen pentoxide

MgOmagnesium oxide

Li_3Plithium phosphide

Na_3PO_4sodium phosphate

CsNO_3 cesium nitrate

CCl_4carbon tetrachloride

CaSO_4calcium sulfate

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

COcarbon monoxide

CO_2 carbon dioxide

BaF barium fluoride

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: