**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Assignment: 5**

**Objective: Naming Ionic Compounds**

Name the following compounds:

NaF MgCl AuO2 MgSO4

Based off of the name, create the following compounds (be careful you may need to do some criss crossing to solve):

Iron (II) phosphate Lithium oxide Calcium carbonate Silver nitrate

**Objective: Creating Ionic Compounds**

Create compound out of the following ions:

Ag1+ and MnO41- Ca2+ and F1-

K1+ and PO43- Sn4+ and O2-

**Objective: Percent Composition**

Na2O… what percent is the Na?

Mg3N2… what percent is the N?

**Objective: Formula Mass**

What is the formula mass for the following compounds?

(NH4)2O CF4

**Objective: Atomic Tally**

What are the atomic tallies of the following formulas?

2FePO4 3Cu(NO2)2

**Covalent Compounds Notes and Naming**

**Covalent Compounds:**

**Naming Covalent Compounds:**

**Names to Formulas for Covalent Compounds**

*Write the formulas for the following covalent compounds:*

1) antimony tribromide \_\_\_\_\_\_\_\_\_\_\_\_

2) hexaboron silicide \_\_\_\_\_\_\_\_\_\_\_\_

3) chlorine dioxide \_\_\_\_\_\_\_\_\_\_\_\_

4) hydrogen iodide \_\_\_\_\_\_\_\_\_\_\_\_

5) iodine pentafluoride \_\_\_\_\_\_\_\_\_\_\_\_

6) dinitrogen trioxide \_\_\_\_\_\_\_\_\_\_\_\_

7) carbon monoxide \_\_\_\_\_\_\_\_\_\_\_\_

8) phosphorus triiodide \_\_\_\_\_\_\_\_\_\_\_\_

*Write the names for the following covalent compounds:*

9) P4S5­ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) CO2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11) SeF6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12) Si2Br­6 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13) SCl4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14) CH4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15) B2Si \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16) NF3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_