

# Nomenclature Review

Name \_\_\_\_\_ Pd \_\_\_\_\_

1. Name the following basic binary compounds.

- a.  $MgBr_2$  \_\_\_\_\_ c.  $CaS$  \_\_\_\_\_  
b.  $AlCl_3$  \_\_\_\_\_ d.  $Li_3N$  \_\_\_\_\_

2. Write the formula for the following basic binary compounds.

- a. Potassium fluoride \_\_\_\_\_ c. Sodium iodide \_\_\_\_\_  
b. Barium phosphide \_\_\_\_\_ d. Calcium oxide \_\_\_\_\_

3. Name the following binary ionic compounds with polyatomic ions.

- a.  $Li_2CO_3$  \_\_\_\_\_ c.  $NaNO_3$  \_\_\_\_\_  
b.  $(NH_4)_3PO_4$  \_\_\_\_\_ d.  $Ba_3(PO_4)_2$  \_\_\_\_\_

4. Write the formula for the following binary ionic compounds with polyatomic ions

- a. Ammonium dichromate \_\_\_\_\_ c. Aluminum sulfate \_\_\_\_\_  
b. Magnesium hydroxide \_\_\_\_\_ d. Calcium phosphate \_\_\_\_\_

5. Name the following binary stock system compounds.

- a.  $FeCl_3$  \_\_\_\_\_ c.  $CuSO_4$  \_\_\_\_\_  
b.  $Pb_2O_4$  \_\_\_\_\_ d.  $Cu_2SO_3$  \_\_\_\_\_

6. Write the formula for the following binary stock system compounds.

- a. Manganese (IV) oxide \_\_\_\_\_ c. Arsenic (II) sulfite \_\_\_\_\_  
b. Vanadium (V) carbonate \_\_\_\_\_ d. Mercury (I) phosphate \_\_\_\_\_

7. Name the following covalent compounds.

- a.  $NO_2$  \_\_\_\_\_ c.  $SF_6$  \_\_\_\_\_  
b.  $H_2O$  \_\_\_\_\_ d.  $NO$  \_\_\_\_\_

8. Write the formula for the following covalent compounds.

- a. Sulfur dioxide \_\_\_\_\_
- b. Tetraphosphorus decoxide \_\_\_\_\_
- c. Carbon tetrachloride \_\_\_\_\_
- d. Dinitrogen pentoxide \_\_\_\_\_

9. Write the name or formula for the following various compounds.

- a. Lithium bromide \_\_\_\_\_
- b. Magnesium nitrate \_\_\_\_\_
- c. Cesium carbonate \_\_\_\_\_
- d.  $\text{Cu}_3\text{P}$  \_\_\_\_\_
- e.  $\text{P}_2\text{O}_5$  \_\_\_\_\_
- f. Phosphorus tribromide \_\_\_\_\_
- g.  $(\text{NH}_4)_2\text{SO}_4$  \_\_\_\_\_
- h. Dichlorine monoxide \_\_\_\_\_
- i. Copper (II) perchlorate \_\_\_\_\_
- j. Iron (III) oxide \_\_\_\_\_
- k.  $\text{Al}_2(\text{CO}_3)_3$  \_\_\_\_\_
- l.  $\text{CrPO}_4$  \_\_\_\_\_
- m. Tetranitrogen pentafluoride \_\_\_\_\_
- n.  $\text{NaCl}$  \_\_\_\_\_
- o.  $\text{Cu}(\text{C}_2\text{H}_3\text{O}_2)_2$  \_\_\_\_\_