Name _____ Period ____ Date ____

Molecular and Ionic Compounds
Practice Worksheet

1. Name the following molecular compounds
   a. PCl_2 _____
   b. CCl_4 _____
   c. NO_2 _____
   d. N_2F_2 _____
   e. P_4O_6 _____
   f. SiO_2 _____
   g. CO _____
   h. CO_2 _____
   i. H_20 _____
   j. Cl_2 _____

2. Write formulas for the following molecular compounds
   a. Water _____
   b. Carbon dioxide _____
   c. Silicon dioxide _____
   d. Dichlorine monxide _____
   e. Nitrogen dioxide _____
   f. Sulfur dioxide _____
   g. Sulfur hexafluoride _____
   h. Nitrogen tribromide _____
   i. Dinitrogen tetrafluoride _____
   j. Diphosphorus pentoxide _____

3. Write the formulas for the following acids
   a. Acetic acid _____
   b. Hydrochloric acid _____
   c. Sulfuric acid _____
   d. Phosphoric acid _____
   e. Carbonic acid _____
   f. Nitric acid _____

4. Name the following ionic compounds
   a. KBr _____
   b. $FeCl_3$ _____
   c. $NiCl_2$ _____
   d. Na_3PO_4 _____
   e. CuI _____
   f. K_2S _____
   g. $CaCO_3$ _____
   h. $LiNO_3$ _____

5. Name and indicate whether the compounds are ionic or molecular
   a. SeF_4 _____ _____
   b. KBr _____ _____
   c. H_2 _____ _____
   d. CO_2 _____ _____
   e. H_2CO_3 _____ _____
   f. $Cu(OH)_2$ _____ _____
   g. $NaHSO_4$ _____ _____
   h. $(NH_4)_2SO_4$ _____ _____