

CHM 130 Nomenclature II Worksheet

1. What is the chemical formula for the following chemicals?

- a. Sodium phosphate _____
- b. Magnesium cyanide _____
- c. Dinitrogen tetraoxide _____
- d. Gold(III) sulfide _____
- e. Aluminum chloride _____
- f. Calcium acetate _____
- g. Potassium nitride _____
- h. Dihydrogen monoxide _____
- i. Copper(II) nitrite _____
- j. Strontium chromate _____
- k. Phosphorus tribromide _____
- l. Tin(II) chloride _____
- m. Manganese(IV) oxide _____
- n. Barium nitrate _____

2. What is the name of the following chemicals?

- a. $\text{Cu}(\text{CN})_2$ _____
- b. $\text{Ca}_3(\text{PO}_4)_2$ _____
- c. SiBr_4 _____
- d. K_2S _____
- e. P_2O_5 _____
- f. PbS_2 _____
- g. $\text{Mg}(\text{NO}_2)_2$ _____
- h. BaF_2 _____
- i. CoI_3 _____
- j. $\text{AgC}_2\text{H}_3\text{O}_2$ _____
- k. CdF_2 _____
- l. CrSO_4 _____
- m. K_3P _____
- n. ZnS _____

CHM 130 Nomenclature II ANSWERS

3. What is the chemical formula for the following chemicals?

- a. Sodium phosphate Na_3PO_4
- b. Magnesium cyanide $\text{Mg}(\text{CN})_2$
- c. Dinitrogen tetraoxide N_2O_4
- d. Gold(III) sulfide Au_2S_3
- e. Aluminum chloride AlCl_3
- f. Calcium acetate $\text{Ca}(\text{C}_2\text{H}_3\text{O}_2)_2$
- g. Potassium nitride K_3N
- h. Dihydrogen monoxide H_2O
- i. Copper(II) nitrite $\text{Cu}(\text{NO}_2)_2$
- j. Strontium chromate SrCrO_4
- k. Phosphorus tribromide PBr_3
- l. Tin(II) chloride SnCl_2
- m. Manganese(IV) oxide MnO_2
- n. Barium nitrate $\text{Ba}(\text{NO}_3)_2$

4. What is the name of the following chemicals?

- a. $\text{Cu}(\text{CN})_2$ copper(II) cyanide
- b. $\text{Ca}_3(\text{PO}_4)_2$ calcium phosphate
- c. SiBr_4 silicon tetrabromide
- d. K_2S potassium sulfide
- e. P_2O_5 diphosphorus pentoxide
- f. PbS_2 lead(IV) sulfide
- g. $\text{Mg}(\text{NO}_2)_2$ magnesium nitrite
- h. BaF_2 barium fluoride
- i. CoI_3 cobalt(III) iodide
- j. $\text{AgC}_2\text{H}_3\text{O}_2$ silver acetate
- k. CdF_2 cadmium fluoride
- l. CrSO_4 chromium(II) sulfate
- m. K_3P potassium phosphide
- n. ZnS zinc sulfide