

Name \_\_\_\_\_

Date \_\_\_\_\_

Due Date \_\_\_\_\_

Mark \_\_\_\_\_/25

*Correct and Hand in Again by* \_\_\_\_\_

## Chemistry 11

### **Hand In Assignment # 3 – Ionic Formulas and Names**

**This Assignment will be marked and you are allowed to do one set of corrections.**

1. Determine the correct formula for each of the following compounds (15 marks)

a. rubidium sulphide ..... \_\_\_\_\_

b. manganese (II) chloride ..... \_\_\_\_\_

c. sodium oxalate ..... \_\_\_\_\_

d. ammonium dichromate ..... \_\_\_\_\_

e. zinc nitrate tetrahydrate ..... \_\_\_\_\_

f. tungsten (VI) sulphate ..... \_\_\_\_\_

g. copper (I) monohydrogen phosphate ..... \_\_\_\_\_

h. manganese (IV) bisulphate ..... \_\_\_\_\_

i. calcium acetate ..... \_\_\_\_\_

j. iron (III) carbonate hexahydrate ..... \_\_\_\_\_

k. tin (IV) oxide ..... \_\_\_\_\_

l. ammonium dihydrogen phosphate ..... \_\_\_\_\_

m. calcium sulphite octahydrate ..... \_\_\_\_\_

n. yttrium (III) chromate ..... \_\_\_\_\_

o. nickel (III) chlorate trihydrate ..... \_\_\_\_\_

2. Determine the correct name for each of the following compounds. (10 marks)

a.  $\text{Rb}_3\text{PO}_4$  ..... \_\_\_\_\_

b.  $\text{Fe}(\text{OH})_3$  ..... \_\_\_\_\_

c.  $\text{Cr}_2(\text{SO}_4)_3 \cdot 5\text{H}_2\text{O}$  ..... \_\_\_\_\_

d.  $\text{NH}_4\text{HC}_2\text{O}_4$  ..... \_\_\_\_\_

e.  $\text{Pb}(\text{ClO})_4$  ..... \_\_\_\_\_

f.  $\text{Ba}(\text{OH})_2 \cdot 10\text{H}_2\text{O}$  ..... \_\_\_\_\_

g.  $\text{Hg}_2(\text{NO}_3)_2$  ..... \_\_\_\_\_

h.  $\text{Cu}_2\text{SO}_3$  ..... \_\_\_\_\_

i.  $\text{Ni}_2(\text{Cr}_2\text{O}_7)_3$  ..... \_\_\_\_\_

j.  $\text{Ta}(\text{ClO}_4)_2$  ..... \_\_\_\_\_