

WORKSHEET 7.C  
FORMULA WRITING - POLYATOMIC IONS

NAME Key

DIRECTIONS: Using the ion charge numbers, write the formula and name of the compound formed by the metal and polyatomic ion. Include the ion charge as a part of the formula.

- Ammonium and sulfate  
 $(\text{NH}_4)_2\text{SO}_4$  Ammonium Sulfate
- Potassium and nitrate  
 $\text{KNO}_3$  Potassium Nitrate
- Lithium and sulfite  
 $\text{Li}_2\text{SO}_3$  Lithium Sulfite
- Zinc and acetate  
 $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$  Zinc Acetate
- Potassium and chromate  
 $\text{K}_2\text{CrO}_4$  Potassium Chromate
- Nickel(II) and oxalate  
 $\text{NiC}_2\text{O}_4$  Nickel II Oxalate
- Hydrogen and sulfate  
 $\text{H}_2\text{SO}_4$  Hydrogen Sulfate
- Ammonium and acetate  
 $\text{NH}_4\text{C}_2\text{H}_3\text{O}_2$  Ammonium Acetate
- Aluminum and phosphate  
 $\text{AlPO}_4$  Aluminum Phosphate
- Silver and chlorate  
 $\text{AgClO}_3$  Silver Chlorate
- Calcium and hypochlorite  
 $\text{Ca}(\text{ClO})_2$  Calcium Hypochlorite
- Ammonium and carbonate  
 $(\text{NH}_4)_2\text{CO}_3$  Ammonium Carbonate
- Copper(II) and hydrogen carbonate  
 $\text{Cu}(\text{HCO}_3)_2$  Copper II Hydrogen Carbonate
- Iron (III) and hydrogen carbonate  
 $\text{Fe}(\text{HCO}_3)_3$  Iron III Hydrogen Carbonate
- Magnesium and nitrite  
 $\text{Mg}(\text{NO}_2)_2$  Magnesium Nitrite
- Sodium and hydroxide  
 $\text{NaOH}$  Sodium hydroxide
- Calcium and carbonate  
 $\text{CaCO}_3$  Calcium Carbonate
- Iron(II) and phosphate  
 $\text{Fe}_3(\text{PO}_4)_2$  Iron II Phosphate
- Barium and hydrogen carbonate  
 $\text{Ba}(\text{HCO}_3)_2$  Barium Hydrogen Carbonate
- Strontium and chromate  
 $\text{SrCrO}_4$  Strontium Chromate
- Barium and hydroxide  
 $\text{Ba}(\text{OH})_2$  Barium Hydroxide
- Sodium and chlorate  
 $\text{NaClO}_3$  Sodium Chlorate
- Hydrogen and oxalate  
 $\text{H}_2\text{C}_2\text{O}_4$  Hydrogen Oxalate
- Tin(II) and nitrate  
 $\text{Sn}(\text{NO}_3)_2$  Tin II Nitrate
- Potassium and hydroxide  
 $\text{KOH}$  Potassium Hydroxide
- Silver and acetate  
 $\text{AgC}_2\text{H}_3\text{O}_2$  Silver Acetate
- Lead(IV) and phosphate  
 $\text{Pb}_3(\text{PO}_4)_4$  Lead IV Phosphate
- Sodium and acetate  
 $\text{NaC}_2\text{H}_3\text{O}_2$  Sodium Acetate
- Zinc and nitrate  
 $\text{Zn}(\text{NO}_3)_2$  Zinc Nitrate
- Chromium(II) and phosphate  
 $\text{Cr}_3(\text{PO}_4)_2$  Chromium II Phosphate