

## Polyatomic Ionic Compounds (Points)

Name: \_\_\_\_\_ Per: \_\_\_\_\_

**Directions:** In the blank spaces, write the correct formula for the ionic compound made from the indicated cations and anions.

	$\text{NO}_2^{-1}$	$\text{PO}_3^{3-}$	$\text{CN}^{-1}$	$\text{CO}_3^{2-}$
$\text{K}^+$				
$\text{NH}_4^+$				
$\text{Mg}^{2+}$				
$\text{Fe}^{3+}$				

**Directions:** First quickly scan the worksheet and circle any metals (as a symbol or as a name) that are transition metals or can form more than one ion. Then either give the name or chemical formula as necessary for each problem below.

- $\text{Al}(\text{NO}_3)_3$  \_\_\_\_\_
- $\text{NaNO}_2$  \_\_\_\_\_
- $(\text{NH}_4)_2\text{CO}_3$  \_\_\_\_\_
- $\text{Sn}(\text{OH})_4$  \_\_\_\_\_
- $\text{BeSO}_4$  \_\_\_\_\_
- $\text{Mg}(\text{PO}_3)_2$  \_\_\_\_\_
- $\text{Fe}_2(\text{SO}_3)_3$  \_\_\_\_\_
- $\text{Ca}(\text{IO}_3)_2$  \_\_\_\_\_
- Zinc hydroxide \_\_\_\_\_
- Iron (II) sulfite \_\_\_\_\_
- Barium nitrite \_\_\_\_\_
- Potassium bromate \_\_\_\_\_
- Lithium cyanide \_\_\_\_\_
- Ammonium phosphite \_\_\_\_\_
- Copper (II) phosphate \_\_\_\_\_
- Tin (IV) carbonate \_\_\_\_\_