

Name: _____
Period: _____ Date: _____

Naming Ionic Substances Worksheet

1. You can tell that a chemical formula contains a polyatomic ion if it has more than _____ capital letters.
2. Name, or give the formula for, these polyatomic ions:
 - a. Ammonium _____
 - b. Phosphate _____
 - c. Sulfate _____
 - d. Hydroxide _____
 - e. _____ CO_3^{-2}
 - f. _____ NO_3^{-1}
 - g. _____ $\text{C}_2\text{H}_3\text{O}_2^{-1}$
 - h. _____ HCO_3^{-1}
3. If a polyatomic ion has 1 less oxygen than the **-ate** ion, its name will end in _____.
4. Write the names of these compounds:
 - a. $\text{Ca}_3(\text{PO}_4)_2$ _____
 - b. KNO_3 _____
 - c. BaSO_4 _____

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