Science 9 Chemistry Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**POLYATOMIC IONIC COMPOUNDS**

**PART A: CHEMICAL FORMULAS**

Write the chemical formulas for the following compounds containing polyatomic ions.

**In-Class Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. calcium nitrite |  | 1. calcium nitrate |  |
| 1. potassium permanganate |  | 1. ammonium chlorite |  |

**Individual Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. sodium sulphate |  | 1. calcium phosphate |  |
| 1. aluminum nitrate |  | 1. ammonium hydrogen sulphate |  |
| 1. lead(IV) chlorate |  | 1. iron(III) carbonate |  |

**PART B: NAMING COMPOUNDS**

Write the names of the following compounds containing polyatomic ions. Are there any multivalent metal ions? Indicate them using Roman Numerals.

**In-Class Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. NaCH3COO |  | 1. (NH4)3P |  |
| 1. Ca(CH3COO)2 |  | 1. (NH4)3PO4 |  |

**Individual Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. Mg(OH)2 |  | 1. K2SO4 |  |
| 1. Al(HCO3)3 |  | 1. Cu2CO3 |  |
| 1. Fe(MnO4)2 |  | 1. (NH4)2SO4 |  |