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

**Naming MULTIVALENT Ionic Compounds Assignment**

**PART A: CHEMICAL FORMULAS**

Write the chemical formulas for the following compounds containing multivalent metal ions.

**In-Class Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. Manganese(IV) oxide
 |  | 1. Copper(I) sulphide
 |  |
| 1. Mercury(II) bromide
 |  | 1. Chromium(II) chloride
 |  |
| 1. Tin(II) sulphide
 |  | 1. Chromium(III) chloride
 |  |

**Individual Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. bismuth(V) chloride
 |  | 1. iron(III) chloride
 |  |
| 1. tin(IV) sulphide
 |  | 1. copper(I) oxide
 |  |

**PART B: NAMING COMPOUNDS**

Write the names of the following compounds containing multivalent metal ions using Roman Numerals.

**In-Class Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. CrBr2
 |  | 1. CrBr3
 |  |
| 1. PbF4
 |  | 1. MnO
 |  |
| 1. Hg3N2
 |  | 1. HgI2
 |  |

**Individual Practice:**

|  |  |  |  |
| --- | --- | --- | --- |
| 1. FeF3
 |  | 1. CuCl2
 |  |
| 1. Au2O
 |  | 1. CrP
 |  |
| 1. PbI2
 |  | 1. SnO2
 |  |