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 |  |