Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block : \_\_\_\_

**Chemistry: *Ionic Binary Compounds: Multiple-Charge Cations page 1***

*Write the name of each of the following compounds.*

1. CuF 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. CuF2 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Cr2O3 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. PbI2 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. PbCl4 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. CrO3 6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. AuBr 7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8. NiO 8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. VI3 9. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. SnO2 10. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

11. Mn2O7 11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12. NbCl5 12. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

13. TiP 13. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14. PaS2 14. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

15. PtF2 15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

16. Os2O3 16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

17. Ir3N4 17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

18. CoCl2 18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Fe2S3 19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. AuI3 20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Complete the table below filling in the boxes with the correct formula. Page 2**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Ions** | **Chloride** | **Fluoride** | **Nitride** | **Sulfide** | **Selenide** | **Bromide** | **Phosphide** |
| **Gold (I)** |  |  |  |  |  |  |  |
| **Gold (II)** |  |  |  |  |  |  |  |
| **Manganese (II)** |  |  |  |  |  |  |  |
| **Manganese (IV)** |  |  |  |  |  |  |  |
| **Manganese (VII)** |  |  |  |  |  |  |  |
| **Chromium (II)** |  |  |  |  |  |  |  |
| **Chromium (III)** |  |  |  |  |  |  |  |
| **Tin (II)** |  |  |  |  |  |  |  |
| **Tin (IV)** |  |  |  |  |  |  |  |
| **Lead (II)** |  |  |  |  |  |  |  |
| **Lead (IV)** |  |  |  |  |  |  |  |
| **Iron (II)** |  |  |  |  |  |  |  |
| **Iron (III)** |  |  |  |  |  |  |  |
| **Copper (I)** |  |  |  |  |  |  |  |
| **Copper (II)** |  |  |  |  |  |  |  |