

Name: _____

Hour: _____ Date: _____

Chemistry: *Ionic Compounds: Polyatomic Ions*

Write the name of each of the following compounds.

- | | |
|---------------------------------------|-----------|
| 1. NH_4Cl | 1. _____ |
| 2. HClO_2 | 2. _____ |
| 3. $\text{Ca}(\text{BrO}_3)_2$ | 3. _____ |
| 4. BeSO_4 | 4. _____ |
| 5. $(\text{NH}_4)_3\text{N}$ | 5. _____ |
| 6. NH_4NO_3 | 6. _____ |
| 7. $\text{Sr}_3(\text{PO}_4)_2$ | 7. _____ |
| 8. $\text{Zn}(\text{ClO}_3)_2$ | 8. _____ |
| 9. AgIO_3 | 9. _____ |
| 10. $\text{K}_2\text{Cr}_2\text{O}_7$ | 10. _____ |

Write the chemical formula for each of the given names.

- | | |
|------------------------|-----------|
| 11. sodium chromate | 11. _____ |
| 12. barium nitrate | 12. _____ |
| 13. ammonium sulfate | 13. _____ |
| 14. aluminum hydroxide | 14. _____ |
| 15. calcium phosphate | 15. _____ |
| 16. cesium cyanide | 16. _____ |
| 17. sodium nitrite | 17. _____ |
| 18. calcium acetate | 18. _____ |
| 19. beryllium chlorite | 19. _____ |
| 20. rubidium sulfite | 20. _____ |

Name: _____

Hour: _____ Date: _____

Chemistry: Ionic Compounds: Polyatomic Ions with Multiple-Charge Cations

Write the name of each of the following compounds.

- | | |
|--|-----------|
| 1. $V(\text{ClO}_3)_5$ | 1. _____ |
| 2. $\text{Re}(\text{SO}_4)_3$ | 2. _____ |
| 3. $\text{Os}(\text{IO}_3)_3$ | 3. _____ |
| 4. $\text{Ir}_3(\text{PO}_4)_4$ | 4. _____ |
| 5. $\text{Pd}(\text{SO}_3)_2$ | 5. _____ |
| 6. AuNO_3 | 6. _____ |
| 7. FePO_3 | 7. _____ |
| 8. $\text{Ni}(\text{BrO}_3)_2$ | 8. _____ |
| 9. $\text{Pb}(\text{CN})_4$ | 9. _____ |
| 10. $\text{Mn}_2(\text{Cr}_2\text{O}_7)_7$ | 10. _____ |

Write the chemical formula for each of the given names.

- | | |
|--------------------------------|-----------|
| 11. copper (II) hydroxide | 11. _____ |
| 12. rhenium (VI) nitrate | 12. _____ |
| 13. niobium (III) sulfate | 13. _____ |
| 14. platinum (IV) iodate | 14. _____ |
| 15. molybdenum (III) phosphate | 15. _____ |
| 16. titanium (II) cyanide | 16. _____ |
| 17. gold (I) thiosulfate | 17. _____ |
| 18. iron (III) acetate | 18. _____ |
| 19. cobalt (II) chlorite | 19. _____ |
| 20. tin (IV) sulfite | 20. _____ |