

Chemistry

Name _____
Period _____

Writing Compound Formulas Worksheet

Write the correct formula for each of the following ionic compound names.

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| 1. Copper (I) phosphate _____ | 16. Iron (III) sulfate _____ |
| 2. Magnesium nitrite _____ | 17. Silver (I) dichromate _____ |
| 3. Cobalt (II) hydroxide _____ | 18. Lead (II) nitride _____ |
| 4. Iron (III) chromate _____ | 19. Strontium hypochlorite _____ |
| 5. Chromium (II) chloride _____ | 20. Barium chlorate _____ |
| 6. Zinc (II) fluoride _____ | 21. Tin (IV) oxide _____ |
| 7. Mercury (II) acetate _____ | 22. Nickel (II) cyanide _____ |
| 8. Manganese (II) iodide _____ | 23. Aluminum sulfide _____ |
| 9. Copper (II) nitrate _____ | 24. Lead (IV) chromate _____ |
| 10. Aluminum hydroxide _____ | 25. Potassium permanganate _____ |
| 11. Iron (II) phosphate _____ | 26. Calcium dihydrogen phosphate _____ |
| 12. Magnesium sulfite _____ | 27. Barium hydrogen sulfate _____ |
| 13. Tin (II) bromide _____ | 28. Lithium monohydrogen phosphate _____ |
| 14. Sodium bicarbonate _____ | 29. Silver (I) bisulfite _____ |
| 15. Chromium (III) oxalate _____ | 30. Ammonium carbonate _____ |

Write the Compound formulas for the covalent molecules below:

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| 31. Dinitrogen oxide _____ | 35. Tetraphosphorus trisulfide _____ |
| 32. Carbon tetraiodide _____ | 36. Sulfur hexafluoride _____ |
| 33. Dioxygen heptachloride _____ | 37. Dinitrogen pentoxide _____ |
| 34. Phosphorus tribromide _____ | 38. Tetrasulfur decanitride _____ |

Write the compound name for the following covalent molecules.

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|--|--|
| 39. CS ₂ _____ | 43. N ₂ S ₅ _____ |
| 40. PF ₅ _____ | 44. S ₂ F ₁₀ _____ |
| 41. CBr ₄ _____ | 45. Cl ₂ O ₇ _____ |
| 42. P ₄ S ₁₀ _____ | 46. I ₂ O ₅ _____ |