

### **Chemistry Practice: Writing Chemical Formulas**

Write a chemical formula for each substance.

- |           |                       |           |  |
|-----------|-----------------------|-----------|--|
| 1. _____  | sodium chloride       | 38. _____ | Al(BrO <sub>3</sub> ) <sub>3</sub>                             |
| 2. _____  | dinitrogen pentoxide  | 39. _____ | Ca(NO <sub>3</sub> ) <sub>2</sub>                              |
| 3. _____  | oxygen                | 40. _____ | SO <sub>3</sub>  |
| 4. _____  | potassium sulfate     | 41. _____ | KCN  |
| 5. _____  | sulfurous acid        | 42. _____ | Pb(NO <sub>3</sub> ) <sub>2</sub>                              |
| 6. _____  | silver acetate        | 43. _____ | N <sub>2</sub> O <sub>3</sub>                                  |
| 7. _____  | chromium(III) nitrate | 44. _____ | CoCl <sub>3</sub>  |
| 8. _____  | sulfur trioxide       | 45. _____ | SF <sub>6</sub>  |
| 9. _____  | ammonium carbonate    | 46. _____ | Ca <sub>3</sub> N <sub>2</sub>                                 |
| 10. _____ | calcium hydroxide     | 47. _____ | CuI  |
| 11. _____ | lithium sulfide       | 48. _____ | SiO <sub>2</sub>   |
| 12. _____ | phosphorous acid      | 49. _____ | Sn(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>4</sub> |
| 13. _____ | dinitrogen monoxide   | 50. _____ | Cl <sub>4</sub>  |
| 14. _____ | Iron (III) oxide      |           |  |
| 15. _____ | lead(II) chlorate     |           |  |
| 16. _____ | ammonium phosphate    |           |  |
| 17. _____ | zinc chloride         |           |  |
| 18. _____ | calcium phosphate     |           |  |
| 19. _____ | oxygen difluoride     |           |  |
| 20. _____ | sodium nitrite        |           |  |
| 21. _____ | iron(III) sulfate     |           |  |
| 22. _____ | hydrobromic acid      |           |  |
| 23. _____ | chromium(III) oxide   |           |  |
| 24. _____ | dinitrogen tetroxide  |           |  |
| 25. _____ | ammonium nitrate      |           |  |

Name each of the following substances:

- |           |  |
|-----------|--|
| 26. _____ | AuBr <sub>3</sub>  |
| 27. _____ | CO   |
| 28. _____ | K <sub>2</sub> CO <sub>3</sub>                                 |
| 29. _____ | HClO <sub>2</sub>  |
| 30. _____ | CsCl   |
| 31. _____ | Ni(MnO <sub>4</sub> ) <sub>2</sub>                             |
| 32. _____ | Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>                |
| 33. _____ | H <sub>2</sub> CO <sub>3</sub>                                 |
| 34. _____ | Ba(C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ) <sub>2</sub> |
| 35. _____ | Mn(OH) <sub>3</sub>  |
| 36. _____ | KH <sub>2</sub> PO <sub>4</sub>                                |
| 37. _____ | H <sub>2</sub> S   |