

Chemistry 105 - Fundamental Chemistry

Fall Semester 1997 - Naming and Chemical Formulas

I. Give the chemical formula for each name.

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|--------------------------------|---------------------------|
| 1. zinc (II) nitrate | 2. iron (III) phosphate |
| 3. lithium sulfide | 4. silver (I) sulfate |
| 5. potassium nitrite | 6. strontium hypochlorite |
| 7. carbon disulfide | 8. calcium oxide |
| 9. barium carbonate | 10. silicon dioxide |
| 11. sodium cyanide | 12. carbon tetrachloride |
| 13. cesium fluoride | 14. sodium hydride |
| 15. aluminum nitride | 16. ammonium phosphate |
| 17. copper (I) sulfide | 18. boron trifluoride |
| 19. calcium hydrogen carbonate | 20. silver (II)oxide |
| 21. aluminum sulfate | 22. dinitrogen monoxide |
| 23. potassium chloride | 24. phosphorus pentoxide |
| 25. calcium bromide | 26. lead (I) sulfite |
| 27. potassium permanganate | 28. lead (II) chromate |
| 29. ammonium nitrate | 30. dihydrogen monoxide |

II. Give the name for each chemical formula.

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| 1. KI | 2. Hg(NO ₃) ₂ | 3. MgSO ₃ |
| 4. CaF ₂ | 5. Al(NO ₂) ₃ | 6. Hg(NO ₃) ₂ |
| 7. CaH ₂ | 8. Pb(NO ₂) ₂ | 9. AsCl ₅ |
| 10. Ba(ClO ₄) ₂ | 11. Be(OH) ₂ | 12. NaHCO ₃ |
| 13. BaSO ₄ | 14. Ca ₃ (PO ₄) ₂ | 15. H ₂ Se |
| 16. ZnSO ₃ | 17. AgNO ₃ | 18. Fe(ClO ₃) ₃ |
| 19. CaCl ₂ | 20. HCl | 21. LiH ₂ PO ₄ |
| 22. FeS | 23. SO ₃ | 24. CO |
| 25. K ₂ CO ₃ | 26. MnS | 27. ZnO |
| 28. (NH ₄) ₃ PO ₄ | 29. CuSO ₄ | 30. MgBr ₂ |