

Chemistry 105 - Fundamental Chemistry

Naming and Chemical Formulas

I. Give the chemical formula for each name.

1. zinc (II) nitrate



3. lithium sulfide



5. potassium nitrite



7. carbon disulfide



9. barium carbonate



11. sodium cyanide



13. cesium fluoride



15. aluminum nitride



17. copper (I) sulfide



19. calcium hydrogen carbonate



21. aluminum sulfate



23. potassium chloride



25. calcium bromide



27. potassium permanganate



29. ammonium nitrate



2. iron (III) phosphate



4. silver (I) sulfate



6. strontium hypochlorite



8. calcium oxide



10. silicon dioxide



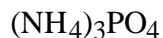
12. carbon tetrachloride



14. sodium hydride



16. ammonium phosphate



18. boron trifluoride



20. silver (II) oxide



22. dinitrogen monoxide



24. phosphorous pentoxide



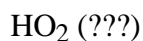
26. lead (I) sulfite



28. lead (II) chromate



30. hydrogen dioxide



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Fall Semester 1996 - Naming and Chemical Formulas

II. Give the name for each chemical formula. (correct name is shown below the formula)

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|---|--|--|
| 1. KI
potassium iodide | 2. Hg(NO ₃) ₂
mercury (II) nitrate | 3. MgSO ₃
magnesium sulfite |
| 4. CaF ₂
calcium fluoride | 5. Al(NO ₂) ₃
aluminum nitrite | 6. Hg(NO ₃) ₂
mercury (II) nitrate |
| 7. CaH ₂
calcium hydride | 8. Pb(NO ₂) ₂
lead (II) nitrite | 9. AsCl ₅
arsenic pentachloride |
| 10. Ba(ClO ₄) ₂
barium perchlorate | 11. Be(OH) ₂
beryllium hydroxide | 12. NaHCO ₃
sodium hydrogen carbonate |
| 13. BaSO ₄
barium sulfate | 14. Ca ₃ (PO ₄) ₂
calcium phosphate | 15. H ₂ Se
dihydrogen selenide
or hydroselenic acid |
| 16. ZnSO ₃
zinc (II) sulfite | 17. AgNO ₃
silver (I) nitrate | 18. Fe(ClO ₃) ₃
iron (III) chlorate |
| 19. CaCl ₂
calcium chloride | 20. HCl
hydrogen chloride
or hydrochloric acid | 21. LiH ₂ PO ₄
lithium dihydrogen phosphate |
| 22. FeS
iron (II) sulfide | 23. SO ₃
sulfur trioxide | 24. CO
carbon monoxide |
| 25. K ₂ CO ₃
potassium carbonate | 26. MnS
manganese (II) sulfide | 27. ZnO
zinc (II) oxide |
| 28. (NH ₄) ₃ PO ₄
ammonium phosphate | 29. CuSO ₄
copper (II) sulfate | 30. MgBr ₂
magnesium bromide |