

Activity 3-3

Practice Drill: Formulas and Names

Write the name for each of the following compounds. Use the Stock system where appropriate.

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| 1. CaCO_3 _____ | 11. H_2SO_4 _____ |
| 2. FeO _____ | 12. $\text{Zn}(\text{NO}_3)_2$ _____ |
| 3. H_2CO_3 _____ | 13. CuSO_4 _____ |
| 4. AgCl _____ | 14. AlCl_3 _____ |
| 5. $\text{Ca}_3(\text{PO}_4)_2$ _____ | 15. NaOH _____ |
| 6. $\text{Ba}(\text{OH})_2$ _____ | 16. PbCl_2 _____ |
| 7. Na_2S _____ | 17. KNO_3 _____ |
| 8. FeCl_2 _____ | 18. $\text{Mg}(\text{OH})_2$ _____ |
| 9. H_2CrO_4 _____ | 19. HClO_3 _____ |
| 10. $(\text{NH}_4)_2\text{SO}_4$ _____ | 20. $\text{H}_2\text{C}_2\text{O}_4$ _____ |

Write the chemical formula for each of the following compounds.

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|------------------------------|-------------------------------|
| 21. sodium nitrite _____ | 31. potassium carbonate _____ |
| 22. iron (III) oxide _____ | 32. silver sulfide _____ |
| 23. aluminum hydroxide _____ | 33. nitrous acid _____ |
| 24. ammonium hydroxide _____ | 34. calcium phosphate _____ |
| 25. magnesium chloride _____ | 35. copper (II) nitrate _____ |
| 26. hydrochloric acid _____ | 36. magnesium sulfide _____ |
| 27. cuprous oxide _____ | 37. aluminum oxide _____ |
| 28. potassium sulfate _____ | 38. barium nitride _____ |
| 29. zinc oxide _____ | 39. lead (II) sulfate _____ |
| 30. barium sulfite _____ | 40. hypochlorous acid _____ |

Write the name for each of the following compounds. Use the Stock system where appropriate.

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| 41. NH_4NO_2 _____ | 51. K_2SO_3 _____ |
| 42. $\text{Ca}(\text{HCO}_3)_2$ _____ | 52. Cu_2S _____ |
| 43. $\text{Ba}(\text{ClO}_3)_2$ _____ | 53. KHSO_4 _____ |
| 44. Hg_2I_2 _____ | 54. ZnBr_2 _____ |
| 45. KCN _____ | 55. $\text{Fe}_2(\text{CrO}_4)_3$ _____ |
| 46. PbO_2 _____ | 56. NaClO_4 _____ |
| 47. KSCN _____ | 57. KClO _____ |
| 48. $\text{Zn}(\text{C}_2\text{H}_3\text{O}_2)_2$ _____ | 58. Mg_3N_2 _____ |
| 49. K_2SO_4 _____ | 59. Na_2MnO_4 _____ |
| 50. $\text{Hg}(\text{OH})_2$ _____ | 60. KMnO_4 _____ |

Write the chemical formula for each of the following compounds.

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|---------------------------------|-------------------------------------|
| 61. merc (I) cyanide _____ | 71. barium nitride _____ |
| 62. hydrosulfuric acid _____ | 72. sodium peroxide _____ |
| 63. iron (II) acetate _____ | 73. cupric bromide _____ |
| 64. potassium chlorate _____ | 74. ammonium sulfide _____ |
| 65. lead (II) fluoride _____ | 75. calcium nitrate _____ |
| 66. hydrobromic acid _____ | 76. zinc hydroxide _____ |
| 67. ammonium oxalate _____ | 77. sodium hydrogen carbonate _____ |
| 68. mercury (II) chromate _____ | 78. lead (IV) oxide _____ |
| 69. silver phosphate _____ | 79. potassium perchlorate _____ |
| 70. potassium dichromate _____ | 80. mercurous iodide _____ |