

Name _____ Period _____ Date _____

NOMENCLATURE – Naming Chemical Compounds

Write the formula for each.

1. calcium fluoride CaF₂
2. sodium carbonate Na₂(CO₃)
3. copper (II) bromide CuBr₂
4. diphosphorus pentoxide P₂O₅
5. sulfurous acid H₂SO₃
6. aluminum sulfate Al₂(SO₄)₃
7. silver chloride AgCl
8. potassium nitrate KNO₃
9. lead (II) phosphate Pb₃(PO₄)₂
10. oxygen difluoride OF₂
11. hydrochloric acid HCl
12. silver cyanide AgCN
13. potassium sulfide K₂S
14. ammonium sulfite (NH₄)₂SO₃
15. copper (II) hydroxide Cu(OH)₂
16. phosphorus pentabromide PBr₅
17. nitric acid HNO₃
18. magnesium hydroxide Mg(OH)₂
19. calcium bromite Ca(BrO₂)₂
20. sodium chromate Na₂CrO₄
21. tin (II) chloride SnCl₂
22. nitrogen triiodide NI₃
23. hydrobromic acid HBr
24. potassium permanganate KMnO₄
25. silver oxide Ag₂O
26. silver perchlorate AgClO₄
27. cobalt (III) chloride CoCl₃
28. sulfur trioxide SO₃
29. cyanic acid HCN
30. magnesium nitrate Mg(NO₃)₂
31. magnesium oxide MgO
32. calcium chlorate Ca(ClO₃)₂
33. nickel (II) iodide NiI₂
34. carbon monoxide CO
35. sulfuric acid H₂SO₄
36. tetraphosphorus hexoxide P₄O₆
37. acetic acid HC₂H₃O₂
38. ammonium hydroxide NH₄OH
39. potassium chloride KCl
40. magnesium sulfide MgS
41. iron (II) carbonate FeCO₃
42. dinitrogen trioxide N₂O₃
43. phosphoric acid H₃PO₄
44. aluminum oxide Al₂O₃
45. zinc oxalate ZnC₂O₄
46. ammonium chromate (NH₄)₂CrO₄

47. mercury (II) perchlorate $\text{Hg}(\text{ClO}_4)_2$
48. dinitrogen monoxide N_2O
49. barium hydroxide $\text{Ba}(\text{OH})_2$
50. sulfuric acid H_2SO_4
51. calcium carbonate CaCO_3
52. cobalt (II) iodide CoI_2
53. tetraphosphorus decasulfide P_4S_{10}
54. aluminum nitrate $\text{Al}(\text{NO}_3)_3$
55. zinc chloride ZnCl_2
56. lithium permanganate LiMnO_4
57. chromium (II) bicarbonate $\text{Cr}(\text{HCO}_3)_2$
58. carbon dioxide CO_2
59. magnesium sulfate MgSO_4
60. potassium fluoride KF
61. ammonium chloride NH_4Cl
62. lead (IV) nitrite $\text{Pb}(\text{NO}_2)_4$
63. dinitrogen pentoxide N_2O_5
64. barium nitrate $\text{Ba}(\text{NO}_3)_2$
65. sodium chloride NaCl
66. beryllium hydroxide $\text{Be}(\text{OH})_2$
67. iron (III) bromide FeBr_3
68. carbon tetrachloride CCl_4
69. sodium cyanide NaCN
70. aluminum bromide AlBr_3
71. hypophosphorous acid H_3PO_2
72. potassium iodide KI
73. lithium chromate Li_2CrO_4
74. iron (II) sulfate FeSO_4
75. phosphorus pentafluoride PF_5
76. perchloric acid HClO_4
77. calcium sulfate CaSO_4
78. calcium sulfide CaS
79. aluminum acetate $\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$
80. copper (II) sulfate CuSO_4
81. iodine trifluoride IF_3
82. carbonic acid H_2CO_3
83. aluminum nitrate $\text{Al}(\text{NO}_3)_3$
84. silver phosphate Ag_3PO_4
85. copper (I) chloride CuCl
86. sulfur hexafluoride SF_6
87. mercury (II) chloride HgCl_2
88. trisulfur dinitride S_3N_2
89. lead (II) oxide PbO
90. magnesium iodide MgI_2
91. potassium oxide K_2O
92. iron (III) oxide Fe_2O_3
93. nitrogen trichloride NCl_3
94. tin (II) phosphate $\text{Sn}_3(\text{PO}_4)_2$
95. sodium bromide NaBr
96. iodine monochloride ICl
97. chromium (III) hydroxide $\text{Cr}(\text{OH})_3$
98. sulfur trioxide SO_3
99. sodium oxide Na_2O
100. sodium sulfate Na_2SO_4