Worksheet—Answer Key
Nomenclature (Naming Compounds)

Name: _____

Write the name for each of the following compounds.

1. $CaCO_3$ **calcium carbonate**
2. FeO **iron (II) oxide**
3. K_2SO_3 **potassium sulfite**
4. AgCl **silver chloride**
5. $Ca_3(PO_4)_2$ **calcium phosphate**
6. $Ba(OH)_2$ **barium hydroxide**
7. Na_2S **sodium sulfide**
8. $FeCl_2$. **iron (II) chloride**
9. Na_2CrO_4 **sodium chromate**
10. $(NH_4)_2SO_4$ **ammonium sulfate**
11. $BaSO_4$ **barium sulfate**
12. $Zn(NO_3)_2$ **zinc nitrate**
13. $CuSO_4$ **copper (II) sulfate**
14. $AlCl_3$ **aluminum chloride**
15. NaOH **sodium hydroxide**
16. $PbCl_2$ **lead (II) chloride**
17. KNO_3 **potassium nitrate**
18. $Mg(OH)_2$ **magnesium hydroxide**
19. $LiClO_3$ **lithium chlorate**
20. NiS **nickel (II) sulfide**

Write the chemical formula for each of the following compounds.

21. sodium nitrite **$NaNO_2$**
22. iron (III) oxide **Fe_2O_3**
23. aluminum hydroxide **$Al(OH)_3$**
24. ammonium hydroxide **NH_4OH**
25. magnesium chloride **$MgCl_2$**
26. calcium chloride **$CaCl_2$**
27. copper (I) oxide **Cu_2O**
28. potassium sulfate **K_2SO_4**
29. zinc oxide **ZnO**
30. barium sulfite **$BaSO_3$**
31. potassium carbonate **K_2CO_3**
32. silver sulfide **Ag_2S**
33. nickel (II) carbonate **$NiCO_3$**
34. calcium phosphate **$Ca_3(PO_4)_2$**
35. copper (II) nitrite **$Cu(NO_2)_2$**
36. magnesium sulfide **MgS**
37. aluminum oxide **Al_2O_3**
38. barium nitride **Ba_3N_2**
39. lead (II) sulfate **$PbSO_4$**
40. tin (II) carbonate **$SnCO_3$**

Write the name for each of the following compounds.

41. NH_4NO_2 **ammonium nitrite**

42. MgF_2 **magnesium fluoride**

43. $Ba(ClO_3)_2$ **barium chlorate**

44. Al_2S_3 **aluminum sulfide**

45. $Sn(SO_4)_2$ **tin (IV) sulfate**

46. PbO_2 **lead (IV) oxide**

47. Hg_2Cl_2 **mercury (I) chloride**

48. $Zn(CH_3COO)_2$ **zinc acetate**

49. K_2SO_4 **potassium sulfate**

50. $Co_2(SO_4)_3$ **cobalt (III) sulfate**

51. K_2SO_3 **potassium sulfite**

52. Cu_2S **copper (I) sulfide**

53. $Mn(ClO_4)_4$ **manganese (IV) perchlorate**

54. $ZnBr_2$ **zinc bromide**

55. $Fe_2(CrO_4)_3$ **iron (III) chromate**

56. $NaClO_4$ **sodium perchlorate**

57. KClO **potassium hypochlorite**

58. Mg_3N_2 **magnesium nitride**

59. $NaMnO_4$ **sodium permanganate**

60. $KMnO_4$ **potassium permanganate**

Write the chemical formula for each of the following ionic compounds.

61. barium sulfide **BaS**

62. manganese (II) carbonate **$MnCO_3$**

63. iron (II) acetate **$Fe(CH_3COO)_2$**

64. potassium chlorate **$KClO_3$**

65. lead (II) fluoride **PbF_2**

66. chromium (III) sulfate **$Cr_2(SO_4)_3$**

67. ammonium chlorate **NH_4ClO_3**

68. mercury (II) chromate **$HgCrO_4$**

69. silver phosphate **Ag_3PO_4**

70. potassium dichromate **$K_2Cr_2O_7$**

71. hydrogen peroxide **H_2O_2**

72. potassium bromide **KBr**

73. sodium peroxide **Na_2O_2**

74. copper (II) bromide **$CuBr_2$**

75. ammonium sulfide **$(NH_4)_2S$**

76. calcium nitrate **$Ca(NO_3)_2$**

77. zinc hydroxide **$Zn(OH)_2$**

78. sodium carbonate **Na_2CO_3**

79. lead (IV) oxide **PbO_2**

80. potassium perchlorate **$KClO_4$**

81. silver nitride **Ag_3N**

82. sodium bicarbonate **$NaHCO_3$**