Nomenclature Review # 2 **ANSWER KEY** A. Provide the formula for each of the following.

1. Ammonium sulfide (NH4)2S
2. Sodium nitrate NaNO3
3. Copper (II) bromide CuBr2
4. Aluminum sulfate Al2(SO4)3
5. Potassium nitrate KNO3
6. Iron (II) carbonate FeCO3
7. Lead (II) phosphate Pb3(PO4)2
8. Diphosphorous pentoxide P2O5
9. Copper (II) hydroxide Cu(OH)2
10. Calcium fluoride CaF2
11. Nickel (II) nitrate Ni(NO3)2
12. Ammonium dichromate (NH4)2Cr2O7
13. Zinc sulfate ZNSO4
14. Tin (II) chloride SnCl2
15. Antimony (III) chloride SbCl3
16. Silver sulfide Ag2S
17. Magnesium hydroxide Mg(OH)2
18. Ammonium carbonate (NH4)2CO3
19. Nickel (II) acetate Ni(C2H3O2)2
20. Sodium chromate Ca2CrO4
21. Chromium (II) sulfate CrSO4
22. Potassium permanganate KMNO4
23. Silver chlorate AgClO3
24. Potassium phosphate K3PO4
25. Nickel (II) iodide NiI2
26. Mercury (I) oxide Hg2O
27. Lead (II) chloride PbCl2
28. Hydroiodic acid HI (aq)
29. Iron (II) sulfite FeSO3
30. Magnesium nitrate Mg(NO3)2
31. Iron (III) chromate Fe2(CrO4)3
32. Iron (II) dichromate FeCr2O7
33. Copper (II) hydroxide Cu(OH)2
34. Copper (I) carbonate Cu2CO3
35. Chromium (III) acetate Cr(C2H3O2)3
36. Calcium chlorate Ca(ClO3)2
37. Ammonium oxide (NH4)2O
38. Aluminum chloride AlCl3
39. Zinc hydroxide Zn(OH)2
40. Sodium phosphate Na3PO4
41. Silver permanganate AgMnO4
42. Ammonium phosphate (NH4)3PO4
43. Iron (II) nitrite Fe(NO2)2
44. Potassium sulfide K2S
45. Tin (IV) bromide SnBr4
46. Lithium chromate Li2CrO4
47. Magnesium sulfite MgSO3
48. Iron (II) phosphate Fe3(PO4)2
49. Calcium sulfate dihydrate CaSO4 ∙ 2 H2O
50. Aluminum acetate Al(C2H3O2)3
51. Calcium chloride dihydrate CaCl2 ∙ 2H2O
52. Barium chromate BaCrO4
53. Cobalt (III) chloride CoCl3
54. Barium chloride tetrahydrate BaCl2∙4H2O
55. Sulfurous acid H2SO3 (aq)
56. Potassium hydroxide KOH
57. Sodium sulfide Na2S
58. Cobalt (II) sulfate CoSO4
59. Iron (III) oxide Fe2O3
60. Silver phosphate Ag3PO4

B. Provide the name for each of the following:

1. HgF2 mercury (II) fluoride
2. KCl potassium chloride
3. KMnO4 potassium permanganate
4. KClO3 potassium chlorate
5. ZnO zinc oxide
6. Ba(OH)2 barium hydroxide
7. NH4MnO4 ammonium permanganate
8. CaCO3 calcium carbonate
9. Ba3(PO4)2 barium phosphate
10. Fe2O3 iron (III) oxide
11. CoF3 cobalt (III) fluoride
12. H2CO3 carbonic acid
13. K2SO4 potassium sulfate
14. Na2SO4 sodium sulfate
15. PF5 phosphorous pentafluoride
16. Ag2O silver oxide
17. PbCl2 lead (II) chloride
18. Cu2CrO4 copper (I) chromate
19. Ca(ClO3)2 calcium chlorate
20. HC2H3O2 acetic acid
21. LiI lithium iodide
22. Al2(SO4)3 aluminum sulfate
23. HBr hydrobromic acid
24. HgS mercury (II) sulfide
25. CrCl3 chromium (III) chloride
26. H3PO4 phosphoric acid
27. LiMnO4 lithium permanganate
28. Fe2(SO4)3 iron (III) sulfate
29. Mg(CN)2 magnesium cyanide
30. Sn3(PO4)4 tin (IV) phosphate
31. HNO3 nitric acid
32. ZnCl2 zinc chloride
33. Na2S∙5H2O sodium sulfide pentahydrate
34. HgCl mercury (I) chloride
35. Fe(NO2)2 iron (II) nitrite
36. Cu3PO4 copper (I) phosphate
37. Mg3(PO4)2 magnesium phosphate
38. Sn(CO3)2 tin (II) carbonate
39. NaMnO4 sodium permanganate
40. KF potassium fluoride
41. CaSO4 calcium sulfate
42. HCl hydrochloric acid
43. SbCl3 antimony (III) chloride
44. P4O10 tetraphosphorous decoxide
45. NH4Cl ammonium chloride
46. Ag2Se silver selenide
47. NH4NO3 ammonium nitrate
48. IF5 iodine pentafluoride
49. Na2CO3 sodium carbonate
50. Ba(OH)2 barium hydroxide
51. FeCl3 iron (III) chloride
52. HF hydrofluoric acid
53. PbSO4 lead (II) sulfate
54. NaCl sodium chloride
55. P2O5 diphosphorous pentoxide
56. AlBr3 aluminum bromide
57. FePO4 iron (III) phosphate
58. Hg2SO4 mercury (I) sulfate
59. Co2(SO3)3 cobalt (III) sulfite
60. Fe(NO2)3∙6H2O iron (III) nitrite hexahydrate