1. Give the correct names for each of the compounds listed below.

| | | | | | |
|---|---|---|---|---|---|
| a) | $NaCl$ | **sodium chloride** | n) | $ZrS_2$ | **zirconium sulfide** |
| b) | $FrBr$ | **francium bromide** | o) | $AgI$ | **silver iodide** |
| c) | $KF$ | **potassium fluoride** | p) | $BaSe$ | **barium selenide** |
| d) | $RaS$ | **radium sulfide** | q) | $MgO$ | **magnesium oxide** |
| e) | $LiI$ | **lithium iodide** | r) | $LaBr_3$ | **lanthanum bromide** |
| f) | $Li_3N$ | **lithium nitride** | s) | $Sr_3N_2$ | **strontium nitride** |
| g) | $AlBr_3$ | **aluminum bromide** | t) | $Cd_3As_2$ | **cadmium arsenide** |
| h) | $CdCl_2$ | **cadmium chloride** | u) | $Rb_2Se$ | **rubidium selenide** |
| i) | $K_2O$ | **potassium oxide** | v) | $Rb_3N$ | **rubidium nitride** |
| j) | $InF_3$ | **indium fluoride** | w) | $BaF_2$ | **barium fluoride** |
| k) | $ZnO$ | **zinc oxide** | x) | $ZrTe_2$ | **zirconium telluride** |
| l) | $Y_2O_3$ | **yttrium oxide** | y) | $Cs_3P$ | **cesium phosphide** |
| m) | $CaTe$ | **calcium telluride** | z) | $Y_2O_3$ | **yttrium oxide** |

2. Write the correct chemical formula for each of the following compounds.

| | | | | | |
|---|---|---|---|---|---|
| a) | potassium bromide | **$KBr$** | n) | potassium nitride | **$K_3N$** |
| b) | zinc bromide | **$ZnBr_2$** | o) | aluminum bromide | **$AlBr_3$** |
| c) | lithium iodide | **$LiI$** | p) | zinc phosphide | **$Zn_3P_2$** |
| d) | scandium chloride | **$ScCl_3$** | q) | magnesium sulfide | **$MgS$** |
| e) | magnesium chloride | **$MgCl_2$** | r) | hafnium chloride | **$HfCl_4$** |
| f) | magnesium oxide | **$MgO$** | s) | barium sulfide | **$BaS$** |
| g) | hydrogen sulfide | **$H_2S$** | t) | tantalum oxide | **$Ta_2O_5$** |
| h) | gallium iodide | **$GaI_3$** | u) | zirconium nitride | **$Zr_3N_4$** |
| i) | sodium oxide | **$Na_2O$** | v) | potassium selenide | **$K_2Se$** |
| j) | magnesium selenide | **$MgSe$** | w) | germanium fluoride | **$GeF_4$** |
| k) | calcium fluoride | **$CaF_2$** | x) | francium phosphide | **$Fr_3P$** |
| l) | aluminum oxide | **$Al_2O_3$** | y) | zinc arsenide | **$Zn_3As_2$** |
| m) | beryllium chloride | **$BeCl_2$** | z) | scandium telluride | **$Sc_2Te_3$** |

3. Give the correct names for each of the compounds listed below.

a) $CaSO_4$ **calcium sulfate**

b) $Ca_3(AsO_4)_2$ **calcium arsenate**

c) $NH_4Cl$ **ammonium chloride**

d) $Mg_3(AsO_3)_2$ **magnesium arsenite**

e) $NaC_2H_3O_2$ **sodium acetate**

f) $NaOCN$ **sodium cyanate**

g) $Al_2(SO_4)_3$ **aluminum sulfate**

h) $K_2Cr_2O_7$ **potassium dichromate**

i) $NH_4NO_3$ **ammonium nitrate**

j) $KSCN$ **potassium thiocyanate**

k) $Al(OH)_3$ **aluminum hydroxide**

l) $MgS_2O_8$ **magnesium peroxydisulfate**

m) $NaHCO_3$ **sodium bicarbonate or sodium hydrogen carbonate**

n) $Ta(IO_3)_5$ **tantalum iodate**

o) $(NH_4)_3PO_4$ **ammonium phosphate**

p) $AgClO$ **silver hypochlorite**

q) $KOH$ **potassium hydroxide**

r) $NaC_8H_{11}N_2O_3$ **sodium barbital**

s) $HNO_3$ **hydrogen nitrate**

t) $In(VO_3)_3$ **indium vandate**

u) $Na_2HPO_3$ **sodium hydrogen phosphite**

v) $Ta_2(TeO_4)_5$ **tantalum tellurate**

w) $Ca(NO)_2$ **calcium hyponitrite**

x) $Zn(VO_3)_2$ **zinc vandate**

y) $Ba(OH)_2$ **barium hydroxide**

z) $CaC_8H_4O_4$ **calcium phthalate**

4. Write the correct chemical formula for each of the following compounds.

a) sodium acetate **$NaC_2H_3O_2$**

b) aluminum tetraborate **$Al_2(B_4O_7)_3$**

c) calcium bromate **$Ca(BrO_3)_2$**

d) sodium silicate **$Na_2SiO_3$**

e) magnesium citrate **$Mg_3(C_6H_5O_7)_2$**

f) calcium tungstate **$CaWO_4$**

g) potassium cyanide **$KCN$**

h) zinc phthalate **$ZnC_8H_4O_4$**

i) barium carbonate **$BaCO_3$**

j) indium stearate **$In(C_{17}H_{35}COO)_3$**

k) calcium dichromate **$CaCr_2O_7$**

l) yttrium tripolyphosphite **$Y_5(P_3O_{10})_3$**

m) zirconium bicarbonate **$Zr(HCO_3)_4$**

n) silver fluorite **$AgFO_2$**

o) scandium hydroxide **$Sc(OH)_3$**

p) aluminum citrate **$AlC_6H_5O_7$**

q) hafnium nitrate **$Hf(NO_3)_4$**

r) francium hydrogen oxalate **$FrHC_2O_4$**

s) rubidium permanganate **$RbMnO_4$**

t) gallium sulfite **$Ga_2(SO_3)_3$**

u) ammonium dichromate **$(NH_4)_2Cr_2O_7$**

v) cesium hypochlorite **$CsClO$**

w) sodium phosphite **$Na_3PO_3$**

x) sodium dihydrogen phosphate **$NaH_2PO_4$**

y) sodium hydrogen phosphate **$Na_2HPO_4$**

z) zirconium uranate **$Zr(UO_4)_4$**

5. Give the correct names for each of the compounds listed below.

a) $FeI_3$ **iron(III) iodide**
**ferric iodide**

b) $Bi_2(SO_4)_3$ **bismuth(III) sulfate**

c) $FeI_2$ **iron(II) iodide**
**ferrous iodide**

d) $HgHCO_3$ **mercury(I) bicarbonate**
**mercury(I) hydrogen carbonate**
**mercurous bicarbonate**
**mercurous hydrogen carboate**

e) $NiO$ **nickel(II) oxide**

f) $Pb(H_2PO_3)_2$ **lead(II) dihydrogen phosphite**
**plumbous dihydrogen phosphite**

g) $CuBr_2$ **copper(II) bromide**
**cupric bromide**

h) $Pt(CrO_4)_2$ **platinum(IV) chromate**

i) $Cr_2O_3$ **chromium(III) oxide**

j) $Sb_2(SO_5)_3$ **antimony(III) persulfate**

k) $AuCl_3$ **gold(III) chloride**
**auric chloride**

l) $Np(MnO_3)_5$ **neptunium(V) manganate**

m) $WO_3$ **tungsten(VI) oxide**

n) $PuPO_4$ **plutonium(III) phosphate**

o) $PdI_4$ **palladium(IV) iodide**

p) $Os(NO_3)_4$ **osmium(IV) nitrate**

q) $Co_2S_3$ **cobalt(III) sulfide**

r) $Ti_3N_4$ **titanium(IV) nitride**

s) $MnO_2$ **manganese(IV) oxide**

t) $NiSO_4$ **nickel(II) sulfate**

u) $Ti(Cr_2O_7)_2$ **titanium(IV) dichromate**

v) $FeSO_3$ **iron(II) sulfite**
**ferrous sulfite**

w) $OsS_2$ **osmium(IV) sulfide**

x) $Hg(NO_2)_2$ **mercury(II) nitrite**
**mercuric nitrite**

y) $SnSO_4$ **tin(II) sulfate**
**stannous sulfate**

z) $AuCl_3$ **gold(III) chloride**
**auric chloride**

6. Write the correct chemical formula for each of the following compounds.

a) lead(IV) oxide **$PbO_2$**

b) antimony(V) bromite **$Sb(BrO_2)_5$**

c) cobalt(II) fluoride **$CoF_2$**

d) ferric thiosulfate **$Fe_2(S_2O_3)_3$**

e) copper(II) cyanide **$Cu(CN)_2$**

f) stannic tartrate **$Sn(C_4H_4O_6)_2$**

g) copper(I) nitride **$Cu_3N$**

h) platinum(IV) dichromate **$Pt(Cr_2O_7)_2$**

i) nickel(II) acetate **$Ni(C_2H_3O_2)_2$**

j) tin(II) peroxydisulfate **$SnS_2O_8$**

k) gallium(III) acetate **$Ga(C_2H_3O_2)_3$**

l) gold(III) uranate **$Au(UO_4)_3$**

m) osmium(IV) sulfate **$Os(SO_4)_2$**

n) polonium(IV) sulfide **$PoS_2$**

o) vanadium(V) iodate **$V(IO_3)_5$**

p) plumbic phosphate **$Pb_3(PO_4)_4$**

q) molybdenum(VI) benzoate **$Mo(C_6H_5COO)_6$**

r) niobium(V) oxide **$Nb_2O_5$**

s) aurous silicate **$Au_2SiO_3$**

t) titanium(IV) sulfite **$Ti(SO_3)_2$**

u) cobaltous chloride **$CoCl_2$**

v) samarium(III) nitrite **$Sm(NO_2)_3$**

w) plumbic hydroxide **$Pb(OH)_4$**

x) terbium (IV) periodate **$Tb(IO_4)_4$**

y) iridium(IV) periodate **$Ir(IO_4)4$**

z) stannous bicarbonate **$Sn(HCO_3)_2$**

7. Give the correct names for each of the compounds listed below.

a) $CS_2$ **carbon disulfide**

b) $SF_2$ **sulfur difluoride**

c) $CO$ **carbon monoxide**

d) $ICl_3$ **iodine trichloride**

e) $CCl_4$ **carbon tetrachloride**

f) $As_2O_3$ **diarsenic trioxide**

g) $PBr_3$ **phosphorus tribromide**

h) $IF_5$ **iodine pentafluoride**

i) $PBr_5$ **phosphoruse pentabromide**

j) $N_2O_4$ **dinitrogen tetroxide**

k) $SO_3$ **sulfur trioxide**

l) $SO_2$ **sulfur dioxide**

m) $N_2O_3$ **dinitrogen trioxide**

n) $Cl_2O$ **dichlorine monoxide**

o) $SF_6$ **sulfur hexafluoride**

p) $SiO_2$ **silicon dioxide**

8. Write the correct chemical formula for each of the following compounds.

a) nitrogen monoxide **$NO$**

b) carbon dioxide **$CO_2$**

c) iodine monochloride **$ICl$**

d) sulfur trioxide **$SO_3$**

e) chlorine trifluoride **$ClF_3$**

f) phosphorus pentachloride **$PCl_5$**

g) bromine pentafluoride **$BrF_5$**

h) carbon tetrachloride **$CCl_4$**

i) dinitrogen tetroxide **$N_2O_4$**

j) diphosphorus trisulfide **$P_2S_3$**

k) chlorine dioxide **$ClO_2$**

l) silicon disulfide **$SiS_2$**

m) silicon tetrafluoride **$SiF_4$**

n) sulfur dioxide **$SO_2$**

o) tricarbon disulfide **$C_3S_2$**

p) dinitrogen pentoxide **$N_2O_5$**

9. Give the correct names for each of the compounds listed below.

a) $Li_2SiF_6 \bullet 2H_2O$ **lithium hexafluorosilicate dehydrate**

b) $Na_2B_4O_7 \bullet 10H_2O$ **sodium tetraborate decahydrate**

c) $MgSO_3 \bullet 6H_2O$ **magnesium sulfite hexahydrate**

d) $NaC_2H_3O_2 \bullet 3H_2O$ **sodium acetate trihydrate**

e) $CuSO_4 \bullet 5H_2O$ **copper(II) sulfate pentahydrate or cupric sulfate pentahydrate**

f) $MgSO_4 \bullet 9H_2O$ **magnesium sulfate nonahydrate**

g) $CaSO_4 \bullet 2H_2O$ **calcium sulfate dihydrate**

h) $MgCl_2 \bullet 6H_2O$ **magnesium chloride hexahydrate**

i) $FeSO_4 \bullet 7H_2O$ **iron(II) sulfate heptahydrate or ferrous sulfate heptahydrate**

j) $NaHS \bullet H_2O$ **sodium hydrogen sulfide monohydrate** or **sodium bisulfide monohydrate**

10. Write the correct chemical formula for each of the following compounds.

a) calcium chloride hexahydrate **$CaCl_2 \bullet 6H_2O$**

b) barium chloride dihydrate **$BaCl_2 \bullet 2H_2O$**

c) calcium nitrate tetrahydrate **$Ca(NO_3)_2 \bullet 4H_2O$**

d) sodium chromate tetrahydrate **$Na_2CrO_4 \bullet 4H_2O$**

e) copper(II) nitrate trihydrate **$Cu(NO_3)_2 \bullet 3H_2O$**

f) plumbous acetate trihydrate **$Pb(C_2H_3O_2)_2 \bullet 3H_2O$**

g) aluminum chloride hexahydrate **$AlCl_3 \bullet 6H_2O$**

h) sodium dihydrogen phosphate nonahydrate **$NaH_2PO_4 \bullet 9H_2O$**

i) cobalt(II) nitrate hexahydrate **$Co(NO_3)_2 \bullet 6H_2O$**

j) cobaltous sulfate hexahydrate **$CoSO_4 \bullet 6H_2O$**

11. Give the correct formula for each of the compounds listed below.

| | | | | | |
|---|---|---|---|---|---|
| a) | hydrochloric acid | **$HCl(aq)$** | n) | hydroiodic acid | **$HI(aq)$** |
| b) | citric acid | **$H_3C_6H_5O_7(aq)$** | o) | phosphoric acid | **$H_3PO_4(aq)$** |
| **c)** | benzoic acid | **$HC_6H_5COO(aq)$** | p) | nitrous acid | **$HNO_2(aq)$** |
| d) | acetic acid | **$HC_2H_3O_2(aq)$** | q) | thiosulfurous acid | **$H_2S_2O_2(aq)$** |
| e) | periodic acid | **$HIO_4(aq)$** | r) | nitric acid | **$HNO_3(aq)$** |
| f) | lactic acid | **$HC_3H_5O_3(aq)$** | s) | hydrotelleric acid | **$H_2Te(aq)$** |
| g) | formic acid | **$HCOOH(aq)$** | t) | hydrocyanic acid | **$HCN(aq)$** |
| h) | iodic acid | **$HIO_3(aq)$** | u) | hydroselenic acid | **$H_2Se(aq)$** |
| i) | oxalic acid | **$H_2C_2O_4(aq)$** | v) | nitrous acid | **$HNO_2(aq)$** |
| j) | sulfurous acid | **$H_2SO_3(aq)$** | w) | hypooxalous acid | **$H_2C_2O_2(aq)$** |
| k) | sulfuric acid | **$H_2SO_4(aq)$** | x) | hydrofluoric acid | **$HF(aq)$** |
| l) | carbonic acid | **$H_2CO_3(aq)$** | y) | boric acid | **$H_3BO_3(aq)$** |
| m) | phosphorous acid | **$H_3PO_3(aq)$** | z) | hydrosulfuric acid | **$H_2S(aq)$** |

12. Write the correct name for each of the following compounds.

| | | | | | |
|---|---|---|---|---|---|
| a) | $HC_2H_3O_2(aq)$ | **acetic acid** | m) | $HC_5H_8NO_4(aq)$ | **glutamic acid** |
| b) | $H_2B_4O_7(aq)$ | **tetraboric acid** | n) | $H_3PO_4(aq)$ | **phosphoric acid** |
| c) | $H_3AsO_3(aq)$ | **arsenous acid** | o) | $HClO(aq)$ | **hypochlorous acid** |
| d) | $HI(aq)$ | **hydroiodic acid** | p) | $HBr(aq)$ | **hydrobromic acid** |
| e) | $H_3BO_3(aq)$ | **boric acid** | q) | $H_2C_2O_4(aq)$ | **oxalic acid** |
| f) | $HF(aq)$ | **hydrofluoric acid** | r) | $H_2CO_3(aq)$ | **carbonic acid** |
| g) | $HCNO(aq)$ | **cyanic acid** | s) | $H_2SiO_2(aq)$ | **silicous acid** |
| h) | $H_2SO_4(aq)$ | **sulfuric acid** | t) | $HFO_2(aq)$ | **fluorous acid** |
| i) | $H_2C_4H_4O_6(aq)$ | **tartric acid** | u) | $HC_{17}H_{35}COO(aq)$ | **stearic acid** |
| j) | $HCN(aq)$ | **hydrocyanic acid** | v) | $H_3PO_3(aq)$ | **phosphorous acid** |
| k) | $H(HCOO)(aq)$ | **formic acid** | w) | $HCl(aq)$ | **hydrochloric acid** |
| l) | HNO3(aq) | **nitric acid** | x) | $HBrO_2(aq)$ | **bromous acid** |

A. Give the correct chemical formula for each of the following compounds.

1. sodium hydroxide **$NaOH$**
2. copper(II) sulfide **$CuS$**
3. potassium phosphide **$K_3P$**
4. ozone **$O_3$**
5. lithium nitride **$Li_3N$**
6. lithium hydride **$LiH$**
7. magnesium percarbonate **$MgCO_4$**
8. aluminum sulfite **$Al_2(SO_3)_3$**
9. sodium sulfate heptahydrate **$Na_2SO_4 \bullet 7H_2O$**
10. sodium carbonite **$Na_2CO_2$**
11. perchloric acid **$HClO_4(aq)$**
12. calcium hyponitrite **$Ca(NO)_2$**
13. nitrous acid **$HNO_2(aq)$**
14. sulfurous acid **$H_2SO_3(aq)$**
15. zinc acetate trihydrate **$Zn(C_2H_3O_2)_2 \bullet 3H_2O$**
16. potassium hypochromite **$K_2CrO_2$**
17. barium nitride **$Ba_3N_2$**
18. cobalt(II) perphosphate **$Co_3(PO_5)_2$**
19. carbon dioxide **$CO_2$**
20. sulfuric acid **$H_2SO_4(aq)$**
21. iron(III) chloride **$FeCl_3$**
22. chromium(III) acetate **$Cr(C_2H_3O_2)_3$**
23. hydrobromic acid **$HBr(aq)$**
24. silver carbonate **$Ag_2CO_3$**
25. hydrogen bromide **$HBr(g)$**
26. barium chloride **$BaCl_2$**
27. boron trifluoride **$BF_3$**
28. calcium hydroxide **$Ca(OH)_2$**
29. calcium hydride **$CaH_2$**
30. lead(II) hyposulfite **$PbSO_2$**
31. hypophosphorous acid **$H_3PO_2(aq)$**
32. carbonic acid **$H_2CO_3$**
33. beryllium perchlorate **$Be(ClO_4)_2$**
34. ferrous hydroxide **$Fe(OH)_2$**
35. nickel(II) peracetate **$Ni(C_2H_3O_3)_2$**
36. mercuric chloride dehydrate **$HgCl_2 \bullet 2H_2O$**
37. dinitrogen trioxide **$N_2O_3$**
38. sodium hypoiodite **$NaIO$**
39. potassium cyanide **$KCN$**
40. potassium aluminum sulfate **$KAl(SO_4)_2$**
41. ammonium hypophosphite **$(NH_4)_3PO_2$**
42. potassium uranate **$KUO_4$**
43. lithium peroxide **$Li_2O_2$**
44. perchloric acid **$HClO_4(aq)$**
45. ammonia **$NH_3$**
46. iodous acid **$HIO_2(aq)$**
47. hydrogen peroxide **$H_2O_2$**
48. gold(III) periodate **$Au(IO_4)_3$**
49. sodium oxide **$Na_2O$**
50. sodium glutamate **$NaC_5H_8NO_4$**
51. iron(II) sulfate **$FeSO_4$**
52. barium perchlorate **$Ba(ClO_4)_2$**
53. manganese(II) nitrate **$Mn(NO_3)_2$**
54. osmium(IV) thiosulfate **$Os(S_2O_3)_2$**
55. chromium(III) nitrate **$Cr(NO_3)_3$**
56. boric acid **$H_3BO_3(aq)$**
57. rubidium acetate **$RbC_2H_3O_2$**
58. hypoiodous acid **$HIO(aq)$**
59. cerium(III) phosphate **$CePO_4$**
60. nitrous acid **$HNO_2(aq)$**
61. chromium(III) nitride **$CrN$**
62. nitric acid **$HNO_3(aq)$**
63. magnesium nitrate **$Mg(NO_3)_2$**
64. hypoiodous acid **$HIO(aq)$**
65. copper(II) tartrate **$CuC_4H_4O_6$**
66. arsenous acid **$H_3AsO_3(aq)$**
67. magnesium hexafluorosilicate **$MgSiF_6$**
68. cyanic acid **$HOCN(aq)$**

B. Give the correct names for each of the compounds listed below.

1. $SnO_2$ **tin(IV) oxide**
   **stannic oxide**
2. $Sb_2S_3$ **antimony(III) sulfide**
3. $HgS$ **mercury(II) sulfide**
   **mercuric sulfide**
4. $MoS_2$ **molybdenum(IV) sulfide**
5. $FeS$ **iron(II) sulfide**
   **ferrous sulfide**
6. $HgO$ **mercury(II) oxide**
   **mercuric oxide**
7. $AuCl_3$ **gold(III) chloride**
   **auric chloride**
8. $NiBr_2$ **nickel(II) bromide**
9. $MgO$ **magnesium oxide**
10. $NaBr$ **sodium bromide**
11. $Al_2O_3$ **aluminum oxide**
12. $CaO$ **calcium oxide**
13. $Ag_2S$ **silver sulfide**
14. $CaH_2$ **calcium hydride**
15. $K_2CO_3$ **potassium carbonate**
16. $(NH_4)_2S$ **ammonium sulfide**
17. $Cr(NO_3)_2$ **chromium(II) nitrate**
18. $KMnO_4$ **potassium permanganate**
19. $SO_3$ **sulfur trioxide**
20. $P_2S_5$ **diphosphorus pentasulfide**
21. $As_2S_3$ **diarsenic trisulfide**
22. $CCl_4$ **carbon tetrachloride**
23. $N_2O_4$ **dinitrogen tetroxide**
24. $NO$ **nitrogen monoxide**
25. $H_3BO_3$ **boric acid**
26. $MgSCN$ **magnesium thiocyanate**
27. $HNO_2$ **nitrous acid**
28. $As_2S_5$ **diarsenic pentasulfide**
29. $H_3PO_4$ **phosphoric acid**
30. $Fe(NO_3)_2$ **iron(II) nitrate**
    **ferrous nitrate**
31. $H_3AsO_3$ **arsenous acid**
32. $Cu_2SO_4$ **copper(I) sulfate**
    **cuprous sulfate**
33. $HIO_3$ **iodic acid**
34. $K_2C_2O_4$ **potassium oxalate**
35. $Na_3PO_4$ **sodium phosphate**
36. $Na_2CrO_4$ **sodium chromate**
37. $LiClO_4$ **lithium perchlorate**
38. $Zn(C_2H_3O)_2$ **zinc acetite**
39. $Au(CN)_3$ **gold(III) cyanide**
40. $K_2CrO_4$ **potassium chromate**
41. $KHCO_3$ **potassium bicarbonate**
    **potassium hydrogen carbonate**
42. $Mn(OH)_2$ **manganese(II) hydroxide**
43. $Ba(SCN)_2$ **barium thiocyanate**
44. $RbCN$ **rubidium cyanide**
45. $NaBrO$ **sodium hypobromite**
46. $Al_2(SO_5)_3$ **aluminum persulfate**
47. $Fe(ClO)_2$ **iron(II) hypochlorite**
    **ferrous hypochlorite**
48. $(NH_4)_2CO_3$ **ammonium carbonate**
49. $Zn(NO_2)_2$ **zinc nitrite**
50. $Ca(NO_3)_2$ **calcium nitrate**
51. $NH_4OH$ **ammonium hydroxide**
52. $NiPO_2$ **nickel(III) hypophosphite**
53. $NH_3$ **ammonia**
54. $CaSO_4$ **calcium sulfate**
55. $Pb(HSO_4)_4$ **lead(IV) hydrogen sulfate**
    **plumbic bisulfate**
56. $Ca(ClO_3)_2$ **calcium chlorate**
57. $AlPO_4$ **aluminum phosphate**
58. $Li_2CO_2$ **lithium carbonite**
59. $PCl_5$ **phosphorus pentachloride**
60. $Mg(NO_3)_2$ **magnesium nitrate**
61. $SO_2$ **sulfur dioxide**
62. $BaCr_2O_7$ **barium dichromate**
63. $SrH_2$ **strontium hydride**
64. $H_2SO_4$ **sulfuric acid**
65. $Na_2O_2$ **sodium peroxide**
66. $CsH_2PO_4$ **cesium dihydrogen phosphate**
67. $Pb_3(PO_3)_2$ **lead(II) phosphite**
    **plumbous phosphite**
68. $HBr(aq)$ **hydrobromic acid**