Review– Naming Chemical Compounds

The following are a good mix of naming and formula writing problems to help you get some practice. I will expect that you know how to name both ionic and covalent compounds in your work.

Name the following chemical compounds:

1) NaBr Sodium bromide
2) $Ca(C_2H_3O_2)_2$ calcium acetate
3) P_2O_5 diphosphorus pentoxide
4) $Ti(SO_4)_2$ Titanium (iv) sulfate
5) $FePO_4$ Iron (III) phosphate
6) K_3N potassium nitride
7) SO_2 sulfur dioxide
8) CuOH copper (1) hydroxide
9) $Zn(NO_2)_2$ zinc ~~(II)~~ nitrite
10) V_2S_3 vanadium (III) sulfide

Write the formulas for the following chemical compounds:

11) silicon dioxide SiO_2
12) nickel (III) sulfide Ni_2S_3
13) manganese (II) phosphate $Mn_3(PO_4)_2$
14) silver (1) acetate $AgC_2H_3O_2$
15) diboron tetrabromide B_2Br_4
16) magnesium sulfate ~~heptahydrate~~. $MgSO_4$
17) potassium carbonate K_2CO_3
18) ammonium oxide $(NH_4)_2O$
19) tin (IV) selenide $SnSe_2$
20) carbon tetrachloride CCl_4

Writing Formulas
More Practice

1. magnesium hydroxide $Mg(OH)_2$
2. aluminum sulfate $Al_2(SO_4)_3$
3. barium hydroxide $Ba(OH)_2$
4. diphosphorus pentoxide P_2O_5
5. nitric acid (HNO_3)
6. sodium phosphate Na_3PO_4
7. copper (II) acetate $Cu(C_2H_3O_2)_2$
8. hydrochloric acid (HCl)
9. carbon tetrachloride CCl_4
10. sulfur hexafluoride SF_6
11. sulfur trioxide SO_3
12. ammonium sulfate $(NH_4)_2SO_4$
13. nickel (II) hydroxide $Ni(OH)_2$
14. chromium (III) nitrate $Cr(NO_3)_3$
15. carbon dioxide CO_2
16. magnesium phosphate $Mg_3(PO_4)_2$
17. calcium oxide CaO
18. aluminum sulfide Al_2S_3
19. nitrous acid (HNO_2)
20. ammonium nitride $(NH_4)_3N$
21. ammonium nitrate NH_4NO_3
22. ammonium nitrite NH_4NO_2
23. sulfuric acid H_2SO_4
24. potassium chloride KCl
25. lithium carbonate Li_2CO_3
26. tin (IV) iodide SnI_4
27. nickel (II) phosphate $Ni_3(PO_4)_2$
28. barium nitrate $Ba(NO_3)_2$
29. cobalt (II) sulfide ~~CoS~~ CoS
30. cobalt (II) sulfate $CoSO_4$
31. phosphorus pentoxide PO_5
32. sulfur trioxide SO_3
33. plumbous bromide $PbBr_2$
34. dinitrogen oxide N_2O
35. phosphorus trichloride PCl_3
36. carbon tetrabromide CBr_4
37. boron trichloride BCl_3
38. carbonic acid H_2CO_3
39. acetic acid $H(C_2H_3O_2)$
40. tetraiodine nonoxide I_4O_9
41. iron (III) oxalate $Fe_2(C_2O_4)_3$
42. sodium phosphate Na_3PO_4
43. disulfur trioxide S_2O_3
44. magnesium nitride Mg_3N_2
45. calcium carbonate $CaCO_3$