

### Compound Naming Race

1. Copper (II) acetate  $Cu(C_2H_3O_2)_2$
2. Sodium hydroxide  $NaOH$
3. Lithium oxide  $Li_2O$
4. Cobalt (II) carbonate  $CoCO_3$
5. Aluminum sulfide  $Al_2S_3$
6. Ammonium cyanide  $NH_4CN$
7. Iron (III) phosphide  $FeP$
8. Vanadium (V) phosphate  $V_3(PO_4)_2$
9. Sodium permanganate  $NaMnO_4$
10. Manganese (III) fluoride  $MnF_3$

11. Beryllium nitrate  $Be(NO_3)_2$
12. Nickel (III) sulfite  $Ni_2(SO_3)_3$
13. Potassium oxide  $K_2O$
14. Silver bromide  $AgBr$
15. Zinc phosphate  $Zn_3(PO_4)_2$
16. copper (II) bicarbonate  $Cu(HCO_3)_2$
17. Nickel (II) selenide  $NiSe$
18. Manganese (IV) carbonate  $Mn(CO_3)_2$
19. Lead (IV) nitride  $Pb_3N_4$
20. Tin (II) hydroxide  $Sn(OH)_2$

21. Lithium arsenide  $Li_3As$
22. Chromium (VI) sulfate  $Cr(SO_4)_3$
23. Calcium bromide  $CaBr_2$
24. Ammonium sulfate  $(NH_4)_2SO_4$
25. Copper (II) oxide  $CuO$
26. Platinum (IV) phosphate  $Pt_3(PO_4)_4$
27. Aluminum carbonate  $Al_2(CO_3)_3$
28. Silver nitrate  $AgNO_3$
29. Magnesium acetate  $Mg(C_2H_3O_2)_2$
30. Nickel (III) cyanide  $Ni(CN)_3$

31. Vanadium (IV) phosphate	$V_3(PO_4)_4$
32. Silver sulfate	$Ag_2SO_4$
33. Cobalt (III) sulfide	$Co_2S_3$
34. Iron (II) sulfite	$FeSO_3$
35. Copper (II) nitrite	$Cu(NO_2)_2$
36. Nickel (II) hydroxide	$Ni(OH)_2$
37. Zinc nitride	$Zn_3N_2$
38. Manganese (VII) nitrate	$Mn(NO_3)_7$
39. Gallium sulfate	$Ga_2(SO_4)_3$
40. Sodium nitrate	$NaNO_3$
41. Trisulfur monoxide	$S_3O$
42. Octacarbon tetraiodide	$C_8I_4$
43. Mononitro-nonoxide	$NO_9$
44. Phospho-decafluoride	$PF_{10}$
45. Sulfur disulfide	$SS_2$
46. $C_5H_{10}$	Pentacarbon decahydride
47. $Se_3O_7$	Triselenium heptaoxide
48. $C_6H_8$	Hexacarbon octahydride
49. $Br_4N_9$	Tetrabromine nonanitride
50. $H_2O$	Dihydrogen monoxide

### EXTRA Online Nomenclature Practice

Directions: IN YOUR NOTES go to each website below and complete **10** nomenclature problems. For each write both the chemical name and chemical formula, and show work where necessary.

SITE A: <http://www.sciencegeek.net/APchemistry/APtaters/chap02ions.htm>

SITE B: <http://www.sciencegeek.net/Activities/namestoforulas.html>

SITE C: <http://www.sciencegeek.net/Activities/namingcmpds.html>

All practice sites here come from <http://www.sciencegeek.net/APchemistry/APtaters/directory.shtml>