Handout 1-02: NOMENCLATURE WORKSHEET ANSWERS

Write a correct name for each of the following compounds.

1. AgI — silver iodide
2. $CuSO_4$ — copper(II) sulphate OR cupric sulphate
3. $NaCN$ — sodium cyanide
4. PCl_5 — phosphorus(V) chloride OR phosphorus pentachloride
5. $Fe(N0_3)_2$ — iron(II) nitrate OR ferrous nitrate
6. $(NH_4)_2SO_4$ — ammonium sulphate
7. $RbSCN$ — rubidium thiocyanate
8. $AlPO_4$ — aluminum phosphate
9. $Hg(NO_3)_2$ — mercury(II) nitrate OR mercuric nitrate
10. $BiBr_3$ — bismuth(III) bromide OR bismuth tribromide
11. K_2CO_3 — potassium carbonate
12. $CuSO_3$ — copper(II) sulphite OR cupric sulphite
13. SiF_4 — silicon tetrafluoride
14. $Pb(BrO_2)_2$ — lead(II) bromite OR plumbous bromite
15. Na_3PO_4 — sodium phosphate
16. $SnSO_4$ — tin(II) sulphate OR stannous sulphate
17. SO_3 — sulphur(VI) oxide OR sulphur trioxide
18. $K_2Cr_2O_7$ — potassium dichromate
19. $Al_2(CO_3)_3$ — aluminum carbonate
20. $KHCO_3$ — potassium bicarbonate OR potassium hydrogen carbonate
21. $Cu(C_2H_3O_2)_2$ — copper(II) acetate OR cupric acetate
22. HNO_2 — hydrogen nitrite OR nitrous acid
23. $Fe(ClO)_2$ — iron(II) hypochlorite OR ferrous hypochlorite
24. $HgCr_2O_7$ — mercury(II) dichromate OR mercuric dichromate
25. NI_3 — nitrogen(III) iodide OR nitrogen tri-iodide
26. MnS_2 — manganese(IV) sulphide
27. Na_2SO_3 — sodium sulphite
28. H_2SO_3 — hydrogen sulphite OR sulphurous acid
29. Li_2O — lithium oxide
30. CdS — cadmium sulphide
31. $Ni(NO_2)_2$ — nickel(II) nitrite OR nickelous nitrite
32. SCl_4 — sulphur(IV) chloride OR sulphur tetrachloride
33. $AgBrO_4$ — silver perbromate
34. Mg_3N_2 — magnesium nitride
35. CaH_2 — calcium hydride

Write the correct chemical formula for each of the following.

1. Silver chloride AgCl
2. Cupric iodide CuI_2
3. Zinc sulphate $ZnSO_4$
4. Ammonia NH_3
5. Strontium fluoride SrF_2
6. Potassium cyanide KCN
7. Silver sulphide Ag_2S
8. Sulphur trioxide SO_3
9. Phosphoric acid H_3PO_4
10. Aluminum nitrate $Al(NO_3)_3$
11. Silver hydroxide AgOH
12. Ferrous sulphate $FeSO_4$
13. Cesium perbromate $CsBrO_4$
14. Sodium carbonate Na_2CO_3
15. Potassium permanganate $KMnO_4$
16. Strontium bromate $Sr(BrO_3)_2$
17. Antimony(III) chloride $SbCl_3$
18. Nitrogen dioxide NO_2
19. Zinc acetate $Zn(C_2H_3O_2)_2$
20. Nitrous acid HNO_2
21. Plumbous iodate $Pb(IO_3)_2$
22. Potassium chlorate $KClO_3$
23. Chromium(III) oxide Cr_2O_3
24. Chromium(III) iodide CrI_3
25. Aluminum oxide Al_2O_3
26. Cobaltous chlorate $Co(ClO_3)_2$
27. Ammonium bromate NH_4BrO_3
28. Calcium hypobromite $Ca(BrO)_2$
29. Calcium sulphide CaS
30. Calcium phosphite $Ca_3(PO_3)_2$
31. Nitrogen(I) oxide N_2O
32. Nitrogen(IV) oxide NO_2
33. Strontium hydroxide $Sr(OH)_2$
34. Calcium nitrite $Ca(NO_2)_2$
35. Aluminum hypochlorite $Al(ClO)_3$
36. Titanium(III) chloride $TiCl_3$
37. Silver carbonate Ag_2CO_3
38. Ferrous phosphate $Fe_3(PO_4)_2$
39. Barium hypobromite $Ba(BrO)_2$
40. Aluminum acetate $Al(C_2H_3O_2)_3$
41. Plumbous carbonate $PbCO_3$
42. Iron(II) bromide $FeBr_2$
43. Sodium thiocyanate NaSCN
44. Lithium carbonate Li_2CO_3
45. Silver nitride Ag_3N
46. Sodium bicarbonate $NaHCO_3$
47. Arsenic(III) chloride $AsCl_3$
48. Antimonic bromide $SbBr_5$
49. Cobaltous acetate $Co(C_2H_3O_2)_2$
50. Hydroiodic acid HI
51. Aluminum nitride AlN
52. Ammonium carbonate $(NH_4)_2CO_3$
53. Diphosphorus pentoxide P_2O_5
54. Chromium(III) carbonate $Cr_2(CO_3)_3$
55. Hypobromous acid HBrO
56. Nickelous chlorate $Ni(ClO_3)_2$
57. Silicon dioxide SiO_2
58. Ammonium iodate NH_4IO_3
59. Lithium phosphite Li_3PO_3
60. Dinitrogen pentoxide N_2O_5
61. Cadmium nitrate $Cd(NO_3)_2$
62. Lead(IV) iodate $Pb(IO_3)_4$
63. Nickel(III) iodide NiI_3
64. Calcium phosphate $Ca_3(PO_4)_2$
65. Silver chromate Ag_2CrO_4
66. Magnesium sulphite $MgSO_3$
67. Mercurous iodate $HgIO_3$
68. Stannic oxide SnO_2
69. Barium carbonate $BaCO_3$
70. Potassium arsenide K_3As