Nomenclature Worksheet
Chem 1020

Name Key

1. Write formulas for the following compounds:

a) lithium bromide $LiBr$
b) copper (II) chloride $CuCl_2$
c) barium phosphate $Ba_3(PO_4)_2$
d) cesium carbonate Cs_2CO_3
e) magnesium nitrate $Mg(NO_3)_2$
f) potassium sulfate K_2SO_4
g) iron (III) oxide Fe_2O_3
h) aluminum iodide AlI_3
i) ammonium acetate $NH_4C_2H_3O_2$
j) calcium hydroxide $Ca(OH)_2$
k) zinc oxide ZnO
l) silver sulfide Ag_2S
m) carbon tetrachloride CCl_4
n) sulfur hexafluoride SF_6
o) dinitrogen pentoxide N_2O_5
p) phosphorus tribromide PBr_3
q) sodium bicarbonate $NaHCO_3$
r) nitric acid HNO_3
s) hydrofluoric acid HF

2. Name the following compounds with the *correct spelling*:

a) $(NH_4)_2SO_4$ ammonium sulfate
b) Fe_2S_3 iron (III) sulfide
c) $Ca(C_2H_3O_2)_2$ calcium acetate
d) Na_3PO_4 sodium phosphate
e) Li_2SO_4 lithium sulfate
f) $Zn(NO_3)_2$ zinc nitrate
g) $Al_2(CO_3)_3$ aluminum carbonate
h) Cu_3P copper (I) phosphide
i) KOH potassium hydroxide
j) $Ca(HCO_3)_2$ calcium bicarbonate
k) P_2O_5 diphosphorus pentoxide
l) $Sr_3(PO_4)_2$ strontium phosphate
m) CO carbon monoxide
n) Cl_2O dichlorine monoxide
o) $MgCO_3$ magnesium carbonate
p) H_2O water
q) H_3PO_4 phosphoric acid
r) HI hydroiodic acid