SUVA SANGAM COLLEGE

YEAR 11

CHEMISTRY

WORKSHEET 11

QUESTIONS

1. Calculate the percentage composition of each element in the following:

   i. $CuSO_4$

   ii. KOH

2. For each of the following problems, write complete chemical equations to describe the chemical process taking place. Balance the equations.

   i. When lithium hydroxide pellets are added to a solution of sulfuric acid (H2SO4), lithium sulfate and water are formed.

   ii. Magnesium reacts with sodium fluoride to produce magnesium fluoride and elemental sodium.

3. Balance the equations below

   i. $KClO_3 \rightarrow KCl + O_2$

   ii. $NaCl + F_2 \rightarrow NaF + Cl_2$