

Worksheet 5.2

Reactions of acids and bases

1 Complete these word equations to show the products of the following reactions:

a zinc oxide + hydrochloric acid →

b magnesium oxide + sulfuric acid →

c copper carbonate + nitric acid →

d sodium carbonate + ethanoic acid →

e ammonium chloride + sodium hydroxide →

2 Give the word and balanced chemical equations for the reactions between an acid and alkali metal hydroxide that would result in the following salts:

a potassium sulfate

.....
.....

b lithium chloride

.....
.....

c sodium nitrate

.....
.....

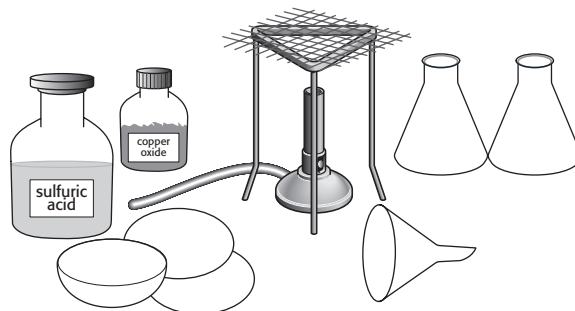
d potassium ethanoate

.....
.....

e rubidium nitrate

.....
.....

3 Describe the stages in the preparation of a sample of copper sulfate crystals using the following equipment.



.....

.....

.....

.....

.....

.....

.....

.....