KIGUMO CLUSTER CONFIDENTIAL

120cm3 1M HCl solution R

100cm3 0.2 M NaOH sol S

Exactly 0.6g Mg powder

100ml measuring cylinder

10ml measuring cylinder

200ml plastic beaker

250ml volumetric flask

Stop watch

Burette pipette

Conical flask

Glass rod

Thermometer

2g solid Z

6 Test tubes in a rack

1 boiling tube

Filter paper

Filter funnel

Red litmus paper

Blue litmus paper

6cm3 liquid L

Distilled water in a wash bottle

1 label

Test tube holder

**ACCESS TO**

Source of heat

Phenolphthalein indicator with adropper

2 M NaOH with a dropper

 Lead (II) nitrate solution with a dropper

Dilute HNO3  with adropper

Lime water in a beaker

Acidified KMnO4 with adropper

Acidified potassium dichromate (VI) with a dropper

Universal indicator paper

pH chart

NB

Solid Z is a mixture of NH4Cl and ZnCO3 (1:2).each candidate requires about 2g

Liquid L is absolute ethanol. Each student requires about 6cm3 in a stoppered container