

1. Mention one use of each of the following equipments.

1. Bunsen burner - To heat up substances

Test tube - Used to conduct tests

with small quantities of chemicals

for heating and boiling processes

Conical Flask - Used during exper-

iments to hold sufficient

quantities of solution

Evaporating Dish - Used for

evaporating solutions/liquids

Wine gauze - To keep glass apparatus

on it while heating is in progress and

also for human distribution of heat

Beaker - For preparations and keeping

solutions

- Mortar & pestle - Used to grind

and crush solid substances into

a powder

Measuring cylinder - To measure

the volume of liquid substances

Glass tube - It is used to transfer

fluids or gases from one vessel



to another

Gas jar - It is used for collecting gases

Reagent bottle - It is used for storing chemicals

2. a Test tube rack - It is made of wood or plastic

b Test tube holder - It is made of metallic rod with a clamp at one end and a handle at another end

• Measuring cylinder - This is made of cylindrical glass apparatus

graded millilitres, decilitres and centilitres

d Wire gauze - It is made of an iron wire mesh and a thin asbestos sheet that is fixed at the center.

e Mortar and pestle - It is a container and a hand-tool made of porcellin

3) Do not work alone in laboratory

ii Always wear lab coat in laboratory. It protects your clothes.

iii Carefully follow your teacher's instructions whenever you perform an experiment

iv Only use small quantities of chemicals

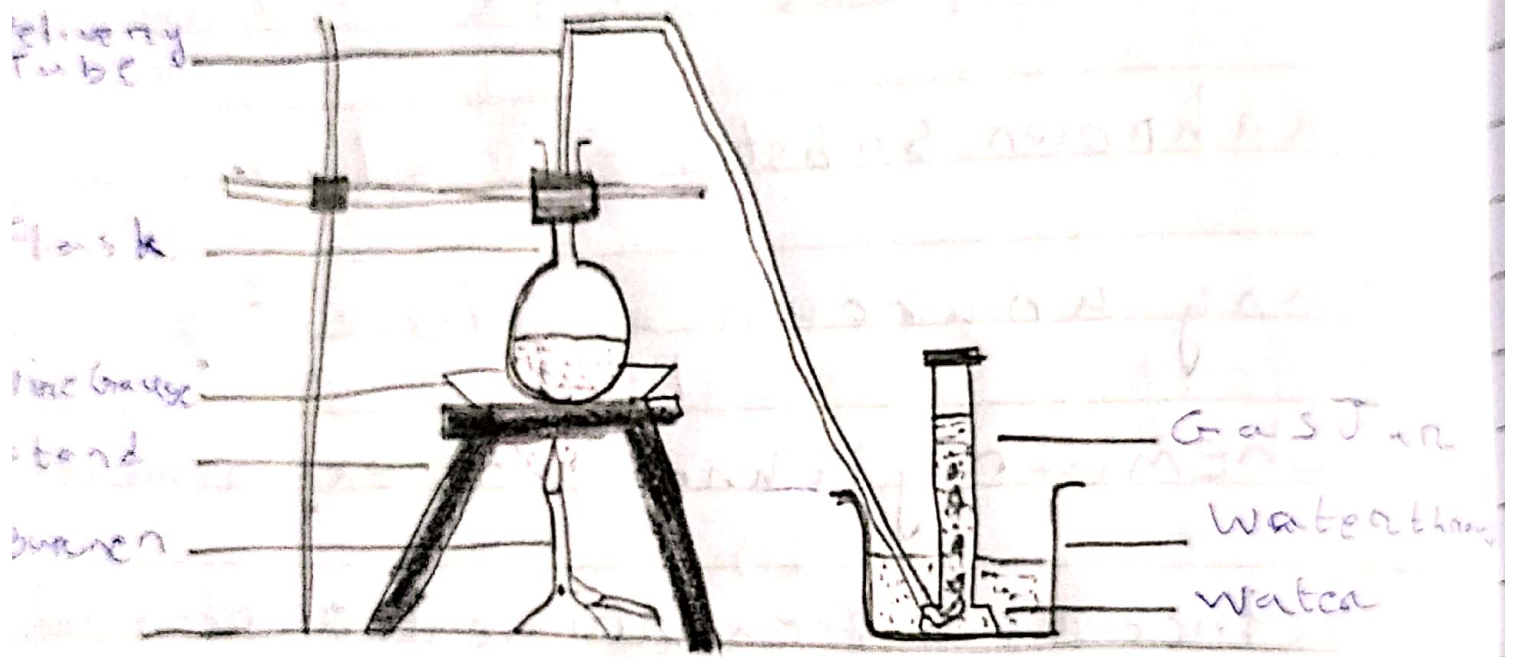


should be used to carry out experiments

v Do not touch or taste any unknown substances or inhale any unknown gas directly

4<sup>th</sup> Chemistry is known as experimental science as an experiment performed under controlled conditions in an activity and we observe a natural or an artificially created phenomenon

b Most of a laboratory apparatus is made up of glass because



- 1 Glass is easy to clean
- 2 Glass can withstand high temperature
- 3 Glass is a transparent material and we can see through it clearly

1 Glass Tube (Delivery tube)

2 Flask (Round bottomed)

3 Wire gauze

4 Burner

5 Tripod (stand)

6 Gas jar

7 Water trough

8 Water