

29-6-2024

1) a) Ans) Spirit lamp is used to heat up substances

b) Test tube is used to conduct tests with small ~~quantities~~ quantities of chemicals for heating and boiling purposes.

c) Conical flask to hold sufficient ~~quantity~~ quantity of substances in the form of solution.

d) Evaporating dish is used for evaporating liquids.

e) Wire gauze is used to keep glass apparatus (flask, beaker) or while heating is in progress. It is also used for uniform distribution of heat.

f) Beaker is used for keeping of solutions.

g) Mortar and pestle is used to grinding and crush solid substances into <sup>a</sup>POV.

h) Measuring cylinder is used to measure the volume of (mainly) liquid substances.

i) Glass tube is used to transfer fluids or gases from one vessel to another.

j) Gas jar is used for collecting gases and holding them in captivity vacuum.

k) Reagent bottle is used for storing chemicals.

2) a) Test tube rack - Wood or plastic

b) Test tube holder - Metal

c) Measuring cylinder - Glass

d) Wire Gauge - ~~Iron~~ Iron

e) Mortar and pestle - Porcelain

Date \_\_\_\_\_  
Page \_\_\_\_\_

3) Precautions to be taken in chemistry laboratory are-

- Don't work alone in the laboratory
- The apparatus to be used in an experiment should be arranged neatly before beginning an experiment.
- Always wear a lab coat in the ~~lab~~ laboratory. ~~etc.~~

It protects your clothes.

- Carefully follow your teacher's instruction whenever you perform an experiment.
- Hot objects should be handled with care and attention.
- Do not touch or taste any unknown substance or inhale any unknown gas directly.

Q) a) Chemistry is known as experimental science as an experiment is performed under controlled condition in a artificiality and we observe a natural or an artificially created phenomenon.

b) Why are most apparatus made of glass?

~~Ans) Why are most apparatus~~

Ans) Most of the <sup>laboratory</sup> apparatus is made of

glass because:

1) Glass is easy to clean.

2) Glass is transparent material and we can see through it clearly.

3) It does not react with most of the chemicals

~~It does not~~

4) Glass withstands high temperatures.

5) Pyrex glass or borosil glass is a special type of glass which hardly expands on heating. Such glasses do not break even at high temperatures.



- 1) Ans) Glass tube (Delivery tube)
- 2) Flask (round bottomed)
- 3) Wire gauze
- 4) Burner
- 5) Tripod (stand)
- 6) Gas jar
- 7) Water trough
- 8) Water