

Hw  
29.6.21

Q/A Ch-2

classmate

Date  
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- a) Spirit lamp is used to heat up substances.
- b) Test tube is used to conduct tests with small quantities of chemicals for heating and boiling purposes.
- c) Conical flask to hold sufficient quantities of substance in the form of solution.
- d) Evaporating dish is used for evaporating ~~the~~ liquid.
- e) Wire gauze is used to keep glass apparatus (flask, beaker) is in progress. It is also used to for uniform distribution of heat.
- f) Beaker is used for keeping solutions.
- g) Mortar and Pestle is used to grind and crush solid substances into a powder.
- h) Measuring cylinder is used to measure the volume of (mainly) liquid substances.
- i) Glass tube is used to transfer ~~liquids~~ fluids or gases from one vessel to another.
- j) Gas jar is used for collecting gases and holding them in capacity vacuum.
- k) Reagent bottle is used for storing chemicals.

- a) Test tube rack is made up of wood or plastic.
- b) Test tube holder is made up of a iron clamp at front and wood or plastic handle at other end.
- c) Measuring cylinder is made up of glass.
- d) Wire gauze is made of meshed iron wire and a thin asbestos sheet that is fixed at its centre.
- e) Mortar and Pestle is made of porcelain.

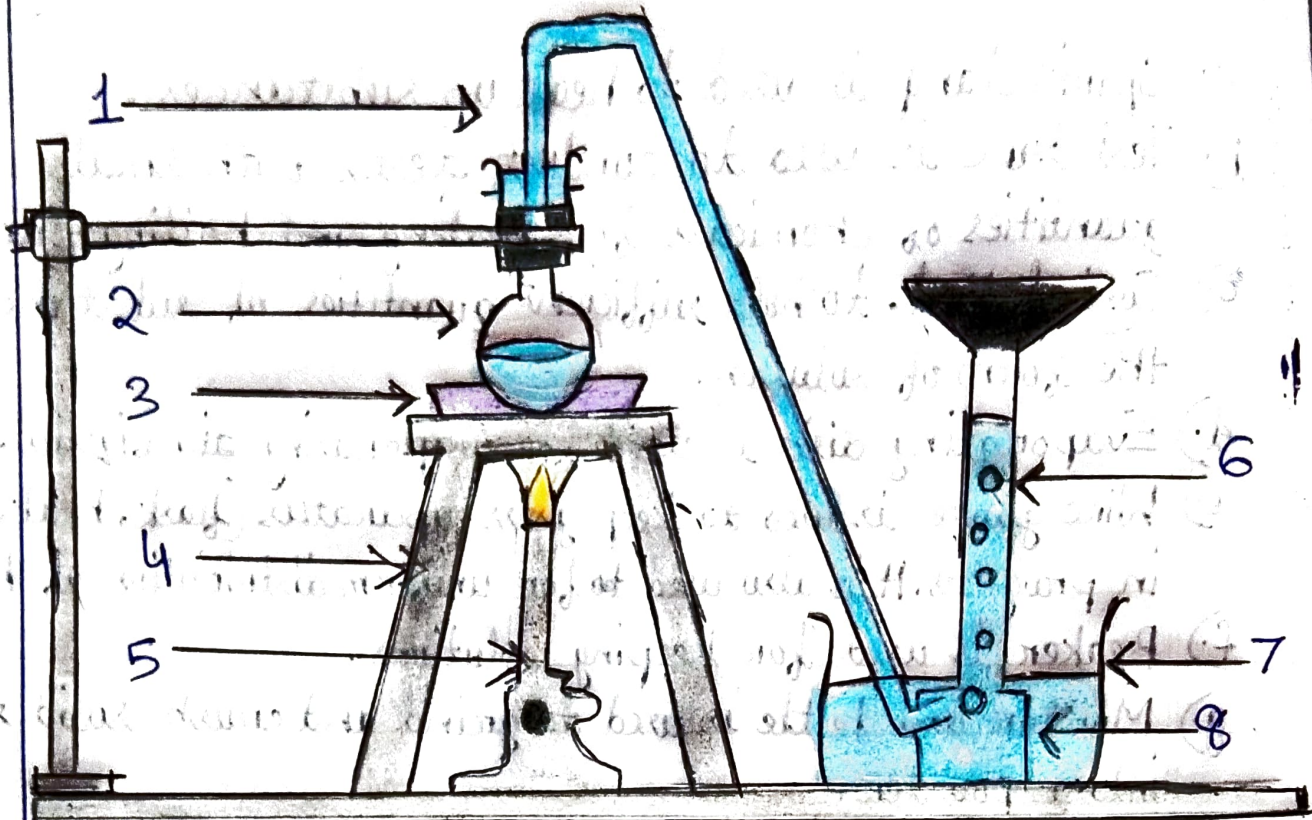
- ③ Five precautions to be taken in laboratory are :
- ~~Don't~~ Don't touch or taste any unknown substance.
  - Use only small quantity of chemical to carry out experiment.
  - Don't work alone in the laboratory.
  - Don't throw hot concentrated acids directly into the sink.
  - Always wear, lab coat, <sup>safety</sup> goggles in the laboratory.

④ a) Chemistry is known as experimental science as an experimental is performed under controlled conditions in an activity and we observe a natural or an artificially created phenomenon.

- b) Most of the laboratory 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 used in experiments.
  - 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 temperature.



5.



1) Delivery tube

2) Flask

3) Wire Gauze

4) Tripod stand

5) Bunsen Burner

6) Gas Jar

7) Water trough

8) Water