

## Assignment

1) Explain the terms vaporisation and boiling point.

Ans. The process by which a liquid change into gas is called vaporisation, and the fixed temperature at which a liquid starts changing into its vapor form is called the boiling point of that liquid.

2) A liquid can change into ~~fixed temperature~~ vapour state

a) at a fixed temperature.

b) at all temperatures.

None the process involved in the two case

a) Boiling

b) Evaporation

3) State three factors which affect the rate of evaporation of a liquid.

Ans. The three factors that affect the rate of evaporation of a liquid are:-

Temperature

Surface area

Volume of the liquid

4) Wear clothes dry more quickly on a warm day than on a cold humid day.  
Explain

Ans The rate of evaporation of a liquid depends upon the humidity of the surrounding. So, in a warm day there is less moisture content in the air as compared to a cold day. So, because of this wet clothes dry more quickly on a warm day.

5) Why are volatile liquids such as alcohol and spirit stored in tightly closed bottles?

Ans The volatile liquids such as alcohol and spirit stored in tightly closed bottles because they evaporate easily.

6) Why is cooling produced on evaporation of a liquid?

Ans Heat is required for evaporation of a liquid. This heat is taken from the surrounding thus cooling the surrounding.

7) Explain why, in hot summer days water remains cool in Earthen pots.

Ans Earthen pots Earthen pots have pores - then which in which water get in and it gets evaporated, thus cooling the area.