

ASSIGNMENT

1) Explain the terms vaporization and boiling point.

A- The change from liquid state to gaseous state on heating at a constant temp. by absorption of heat is called vaporization.

The temp. at which a liquid changes into vapour without further increase in temp. is called boiling point of the water.

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

A- ~~The nature~~ The nature of liquid

The temp. of liquid

The presence of moisture/humidity

3) Wet clothes dry more quickly on a warm dry day than on a cold humid day. Explain.

A- In dry air, evaporation is faster than in humid air. This is why wet clothes dry faster in dry summer days than in rainy season/cold humid day.

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

A- Volatile liquids with low boiling point such as alcohol, spirit, ether etc. evaporate much faster than water. This is why volatile liquids are

stored in tightly closed bottles.

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

A- To change liquid into vapours, heat is needed which is taken from surroundings and temp. of the container or body itself falls and cooling is produced.

6) Name the processes involved in the 2 cases:-

A liquid can change into vapour state.

a) at a fixed temp. - boiling

b) at all temp. - evaporation