

Homework assignment - 07/08/21-

1. Vapourization: Its the process in which a liquid changes into gas by absorbing heat at a fixed temperature is known as vapourization or Boiling

Boiling Point: Its the fixed temp. at which a liquid changes into gas.

Eg, boiling point of $H_2O \rightarrow 100^\circ C$.

2. a) Vapourization / Boiling

b) Evaporation

3. Factors affecting Rate of evaporation of liquid are -

→ Temperature

→ Surface area

→ Humidity level

4. In a warm dry day, the temperature is high and humidity is low thus, the evaporation rate of water will be greater as its directly proportional to Temp. and inversely proportional to humidity

Whereas on a cold humid day, the temp. is low and humidity is high, for which evaporation rate of water is low as evaporation rate is directly proportional to temp. and inversely proportional to humidity.

5. Volatile liquids such as Alcohol and Spirit ~~one~~ have evaporate in room temperature, if kept open. Thus, to prevent them from evaporating, they are kept in tightly closed bottles.

6. Evaporation occurs when heat is absorbed from the surrounding. Thus, when the liquid absorbs the surrounding heat, the surrounding becomes cool.

7. Earthen pots have very tiny holes in them and water continuously seeps through these holes and gets evaporated. And, as evaporation causes cooling, the water inside the Earthen pot remains cool in summers.