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Heat



① What are the effects of heat?

Ans) The effects of heat are:-

- (i) Change in temperature of the body
- (ii) Change in size or shape of the body
- (iii) Change in state of the body

② Define thermal expansion.

Ans) It has been experimentally observed that when a substance is heated, it expands and when it is cooled, it contracts. This is called thermal expansion.

③ Define sublimation and condensation.

Ans) When a solid on heating changes directly into vapour at a fixed temperature, the process is called sublimation.

When the vapour condenses into liquid at the same fixed temperature, this process is called condensation.

Q) Define Latent Heat :

Ans) During change of state at a fixed temp heat is either absorbed or released but this heat does not change the temp of the substance. It is called ~~the~~ latent heat.