

## ch-5

### Heat energy Home assignment

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) When a substance is heated, it expands and when it is cooled, it contracts.

Thermal expansion is the tendency of matter to change in shape, volume, and area in response to change in temperature.

3) Define sublimation and condensation.

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

Condensation :- The vapour condenses into liquid at the same fixed temperature. This process is called condensation.

4) Define Latent heat.

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