

9/11/21

## HOME ASSIGNMENT

1) What are the effects of heat?

Ans: Heat produces mainly the following three effects:

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

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 a liquid is heated, it changes into vapour form at a fixed temperature and when the vapour is cooled it condenses into liquid at the same temperature. This 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 the latent heat.