

ch-5

Heat

Home assignment

(25)

1) 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.

2) Why do telephone wires sag in summer?

Ans) Telephone wires when connected in summer between two poles, they are kept loose so that they may not break when contract in winter. On the other hand, if the wires are connected in winter between two poles, they are kept tight because they will expand in summer and will sag.

3) Draw a labelled diagram of a Laboratory Thermometer.

