

Homework

1. 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, through heat transfer. It is also defined as the general increase in the volume of a material as its temperature is increased.

2. Why do telephone wires sag in summer?

Ans → The telephone wires sag in summer due to expansion and will break in winter due to contraction. Therefore, while putting up the wires between the poles, care is taken that in summer they are kept slightly loose so that they may not break in winter due to contraction. While in winter they are kept tight so that they may not sag too much in summer due to expansion.

3. Draw a labelled diagram of a laboratory Thermometer.

