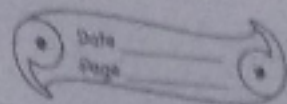


Chapter - 5 Heat



H.W-3

i) Define Thermal Expansion.

ans- When a substance (solid, liquid or gas) is heated, it expands when it is cooled, it contracts. This is called thermal expansion.

ii) Why do telephone wires sag in summer?

ans- Telephone and electric wires when connected in summer between two poles, they are kept loose so that they 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.

iii) Draw a labelled diagram of a laboratory thermometer.

