

state to another at a constant temperature.

Dt -
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HOME ASSIGNMENT

1. Define Thermal Expansion.

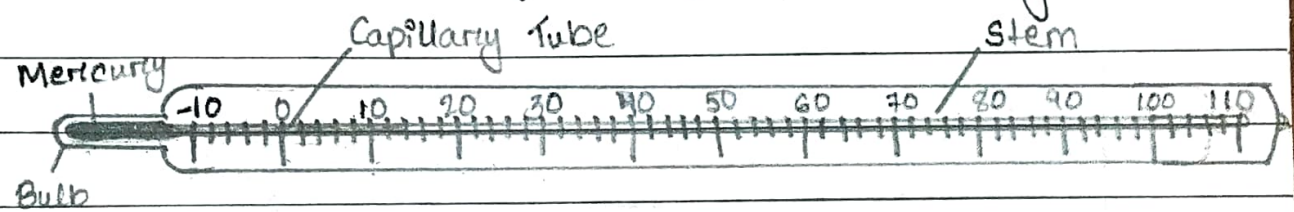
Ans: Thermal expansion is the tendency of matter to change in shape, area and volume in response to a change in temperature.

2. Why do telephone wires sag in summer?

Ans: Telephone wires sag in summer because of the thermal expansion. Due to the heat of sun, the wires expand as because metals expand with a rise in temperature, therefore telephone wires sag in summer.

3. Draw a labelled diagram of a laboratory thermometer.

Ans:



Thermometer