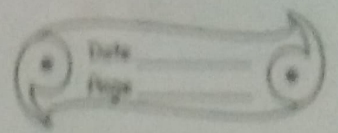


10/11/21



- 1) Thermal expansion occurs when an object expands and becomes longer due to a change in the object's temperature.
- 2) The telephone wires will sag in summer due to expansion and will break in winter due to contraction. Therefore, wires pulling up the wires between the poles are taken that in summer they are kept slightly loose so that they do not break in winter due to contracting.



3) Iron rims are made slightly smaller

In diameter than the wooden wheel and on heating wheel expands and easily slip over the wooden wheel and on cooling the rims contracts and make a tight fit over the wooden wheel.

4) The rails of railway track are made of steel. While laying the railway track a small gap is left between the two successive length of rails. The reason is

that the rails expand in the summer

The gap is provided to allow

for this expansion. If no gaps

is left, the expansion in summer

would cause the rails to bend

side way. This may result in a

train accidents.