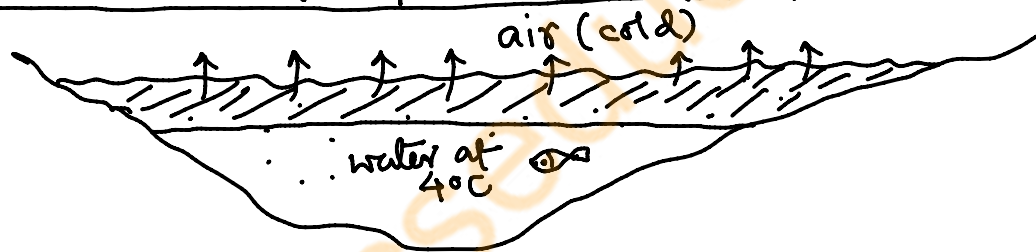
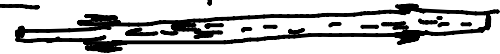


1. Preservation of aquatic life during winter in cold region:



2. Burst of water pipes during winter:



Thermal Expansion of Gases:

$$\Delta V_a = \Delta V_{\text{gas}} - \Delta V_s$$

$$\because \Delta V_s \ll \Delta V_{\text{gas}}$$

$$\boxed{\Delta V_a = \Delta V_{\text{gas}}} \checkmark$$