

### Important formulae:-

\* Heat required to raise temperature ' $d\theta$ ' of a body of mass ' $m$ ' of specific capacity ' $s$ ' is:-  $dQ = msd\theta$

\* Heat required to change state of mass ' $m$ ' of the substance at constant temperature is:

$$dQ = mL$$

\* Variation of density with temperature:

$$\rho' = \frac{\rho}{1 + \gamma \Delta T}$$