Formulas

- · DQ = MCDT
- . DQ = DML

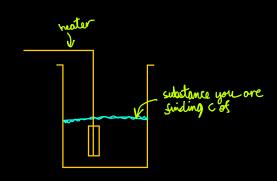
Specific Heat copacity (c)

The numerical value of specific heat capacity of a substance is the quantity of heat energy required to raise the temp of a unit mass of substance by I degree.

The symbol for specific heat corparity is "c" $\Delta Q = m C Dt$ though in temp

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· Measuring specific heat capacity of a substance



Latent heat

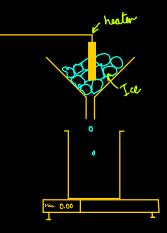
The numerical value of latent heat is the quantity of heat energy reglired to convert lkg mass of a substance from one state to another without any change in temperature.

The symbol of latent heat of Swian /vaporisation is "L"

Lv is latent heat of vaparisation

LF is latent heat of Jusian

· Measuring L f



$$L_{f} = \frac{\Delta Q}{\Delta m} = \frac{PIT}{\Delta m}$$

Heat losses

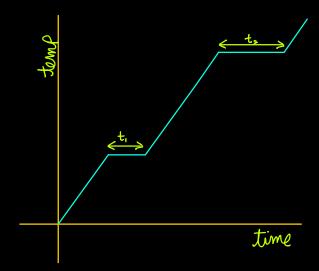
- We can use two set of experiments to eliminate "H" (heat law)
- To do this we need to add/subtract the two equations, eliminating H

Example

 $\Delta E_1 = \Delta m_1 L \pm H$ $\Delta E_2 = \Delta m_2 L \pm H$

Add or subtract the two equations depending if it + H or - H to eliminate it.

Time it takes



t2 > t2 Because it requires more energy to turn liquid into gos than to turn solid into liquid