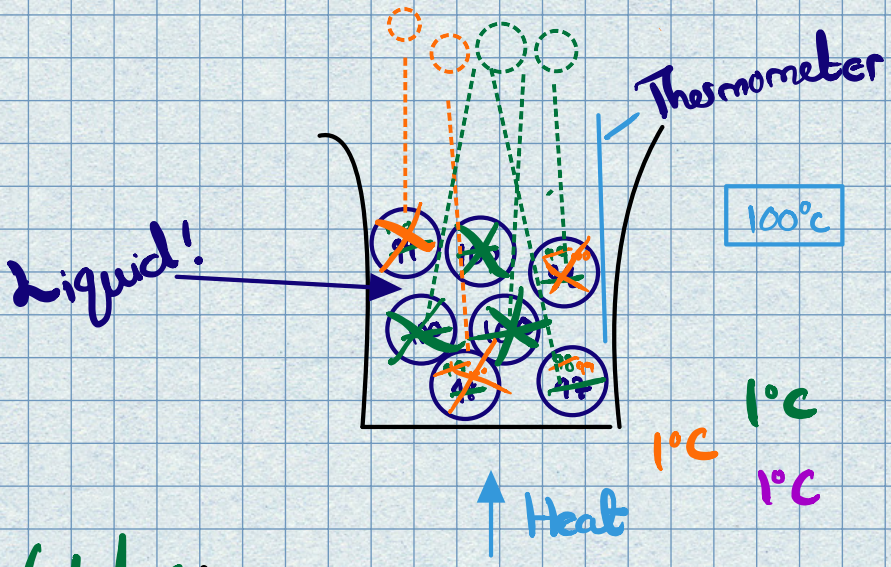
Melting Point :-

A constant temperature when a solid converts into liquid!

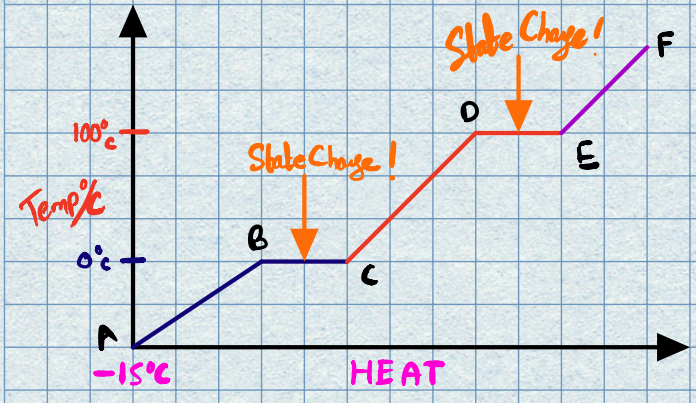
Boiling Point :-

A constant temperature when a liquid converts into gas!

water - B.P = 100°c



Heating Curve of Water :-



A - B = Solid

B - C = Solid + Liquid

C - D = Liquid

D - E = Liquid + Gas

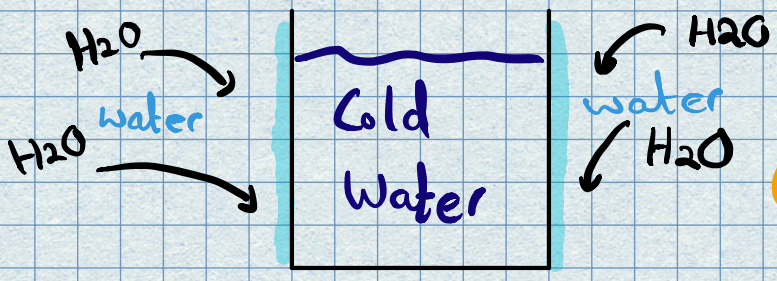
At the time of boiling, temperature remains constant while heat is provided, at Boiling Point, heat given is used to convert Liquid into Gas or to break down the intermolecular forces of Liquid particles

★ Boiling :- ENDO! ★ Evaporation :- ENDO!

✓ liquid → Gas ✓ liquid → Gas

→ Fixed temp → Any temp

→ Throughout the liquid → Only on the surface of liquid!

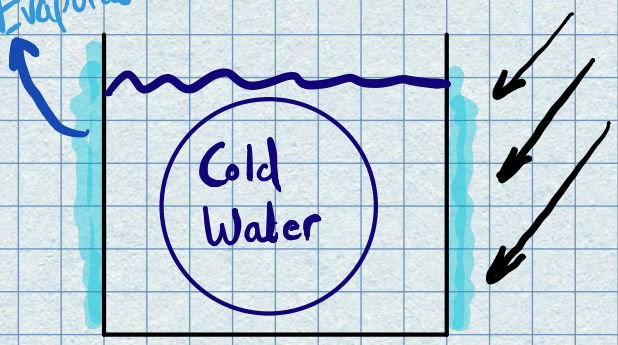


CONDENSATION!

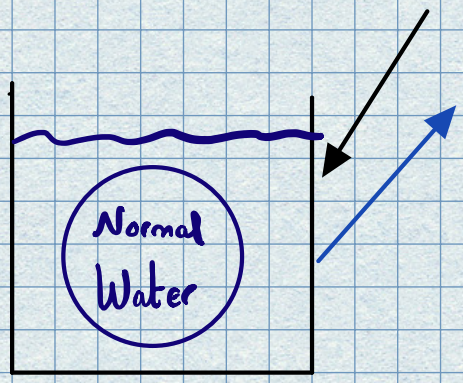
Vapors → liquid!

→ For Condensation, of Vapours of a liquid Vapours may condense just below 1°C of its Boiling Point!

Rate of Condensation!



Rate of condensation = RofE



Rate of Condensation > Rate of Evaporation