

CHAPTER 06

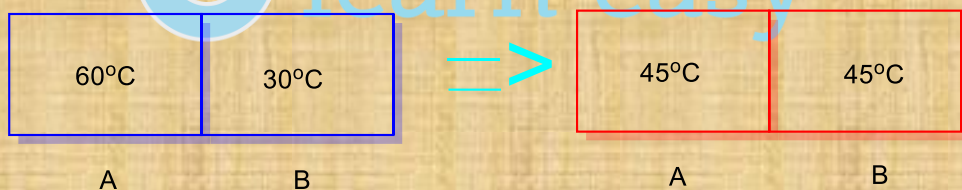
HEAT

This heat flow continues till both the bodies A and B will attain same temperature. At this condition, they are said to be in thermal equilibrium.

When a body is in thermal equilibrium, it neither receives nor gives out the energy.

Ex: (1)

When a body at 60°C kept in contact with another body at 30°C , then after some time both will be at 45°C . This condition is called thermal equilibrium.



This is valid when both the bodies are of same quantity.

Ex: (2)

When 1litre of water at 60°C is mixed with 2 liters of water at 30°C , then common temperature would be 40°C .

