

Ans 5) Mechanisms of heat transfer

Heat may be flow by three basic mechanisms

① Conduction :- When heat flow of a body achieved by direct contact of molecule without mixing.

Ex. Heat flow through a ~~is~~ metal rod

② Convection :- When heat flow of a body achieved by actual mixing or motion of groups of molecules.

Ex. Heating of water

③ Radiation :- When heat flow achieved in the space in the form of electromagnetic waves.

Ex. Baking of cake in Microwave oven