

## Prevots Theory of Heat Exchange.

- (1) Everybody emits heat radiations at all finite temperature (Except 0 K) as well as it absorbs radiations from the surroundings.
- (2) Exchange of energy along various bodies takes place via radiation.
- (3) The process of heat exchange among various bodies is a continuous phenomenon.
- (4) If the amount of radiation absorbed by a body is greater than that emitted by it then the temperature of body increases and it appears hotter.
- (5) If the amount of radiation absorbed by a body is less than that emitted by it, then the temperature of the body decreases and consequently the body appears colder.
- (6) If the amount of radiation absorbed by a body is equal to that emitted by the body, then the body will be in thermal equilibrium and the temperature of the body remains constant.
- (7) At absolute zero temperature (0 K or  $-273^{\circ}\text{C}$ ) this law is not applicable because at this temperature the heat exchange among various bodies ceases.