

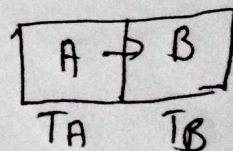
THERMAL EQUILIBRIUM

Two bodies are said to be in thermal equilibrium with each other, if no exchange of heat takes place when they are kept in contact with each other.

Ex - If a hot body brought in contact with a cold body, heat energy will be transferred from hot body to cold body until their temperature becomes the same. Thereafter no exchange of heat takes place between them.

At this stage, the two bodies will be at some temperature and they are said to be in thermal equilibrium with each other.

$$T_A > T_B$$



$$T_A = T_B$$