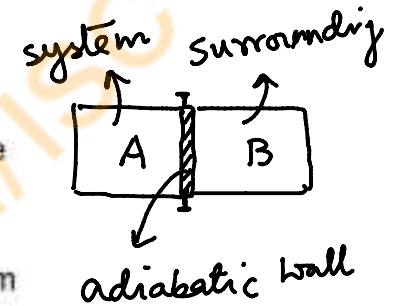


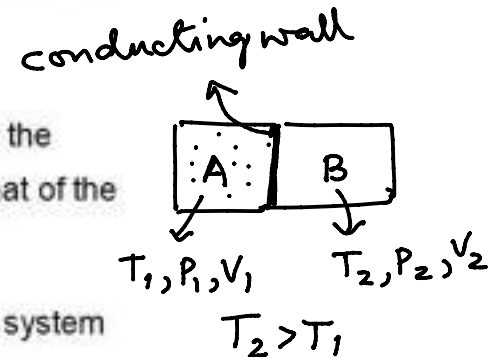
- (1) Adiabatic wall (an insulating wall): A wall that does not allow the thermodynamic coordinates (variables) of one system to influence the other, is called an adiabatic wall.

"A wall that does not allow flow of heat energy between the system and its surroundings or between two systems, is called an adiabatic wall".



- (2) Diathermic wall (a conducting wall): A wall that enables the thermodynamic coordinates of one system to influence that of the other is called a diathermic wall.

A diathermic wall allows heat energy to flow between the system and its surroundings or between two systems.



ZEROTH LAW of THERMODYNAMICS:

"When two thermodynamic systems (A and B) are separately in thermal equilibrium with a third thermodynamic system (say, C), then the systems A and B are also in thermal equilibrium with each other".