

**THERMODYNAMIC VARIABLES:** The variables which are required to specify the state of a thermodynamic system are called thermodynamic variables.



**THERMODYNAMIC STATE:** The condition of a thermodynamic system at a given instant is called its thermodynamic state. It is expressed by macroscopic thermodynamic variables.

**THERMODYNAMIC EQUILIBRIUM OF A SYSTEM:** A state of a thermodynamic system is said to be in thermodynamic equilibrium when macroscopic variables (like pressure, volume, temperature, mass, composition etc.) that characterize the system do not change with time.

Thermodynamic Equilibrium depends upon the wall separating the system from its surroundings.