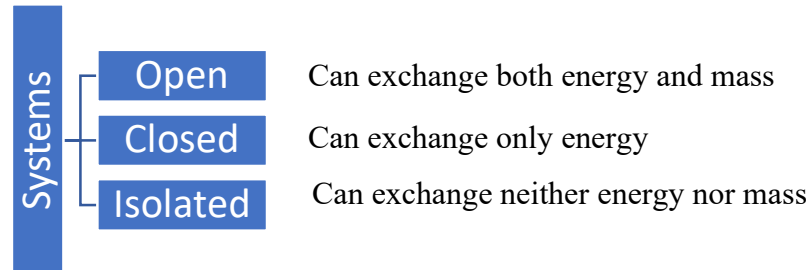Concept to remember:

Chemical Thermodynamics-I:

System: Over which observations are made

Surroundings: Except system, remaining part of the universe

System + Surroundings = Universe

Boundary: Real or imaginary wall that separates system from Surroundings

Systems
- Open — Can exchange both energy and mass
- Closed — Can exchange only energy
- Isolated — Can exchange neither energy nor mass

Path variables: depend on the path followed by the process

State variables: doesn't depend on the path, only depends on initial and final state