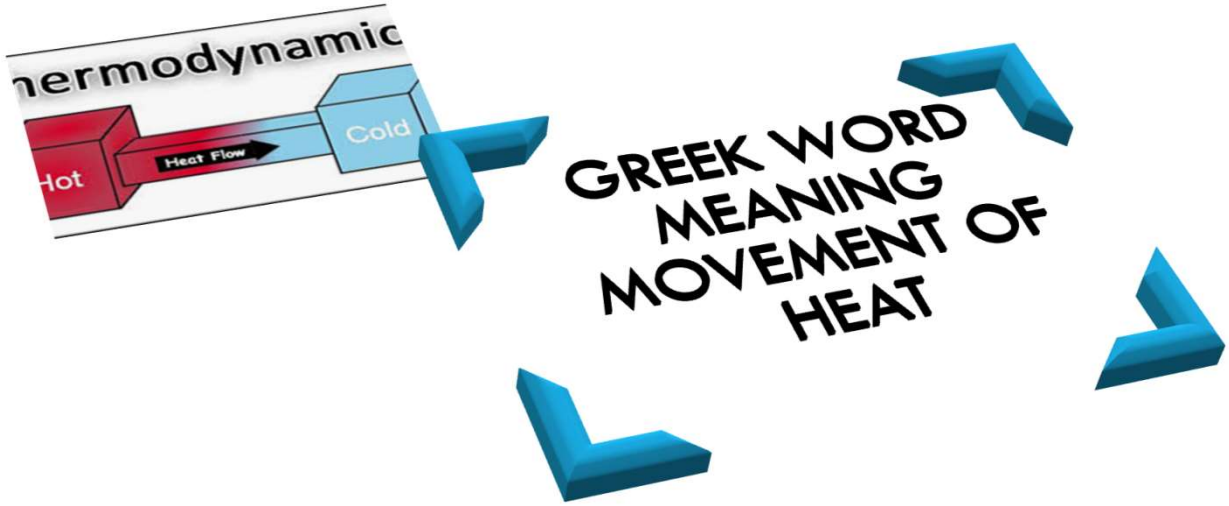
BASIC CONCEPTS AND FIRST LAW

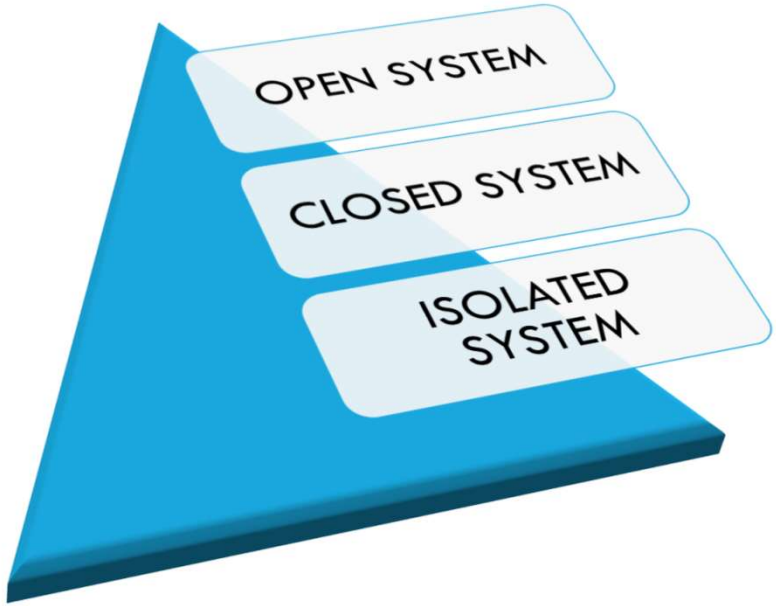
BASIC CONCEPTS

THERMODYNAMICS

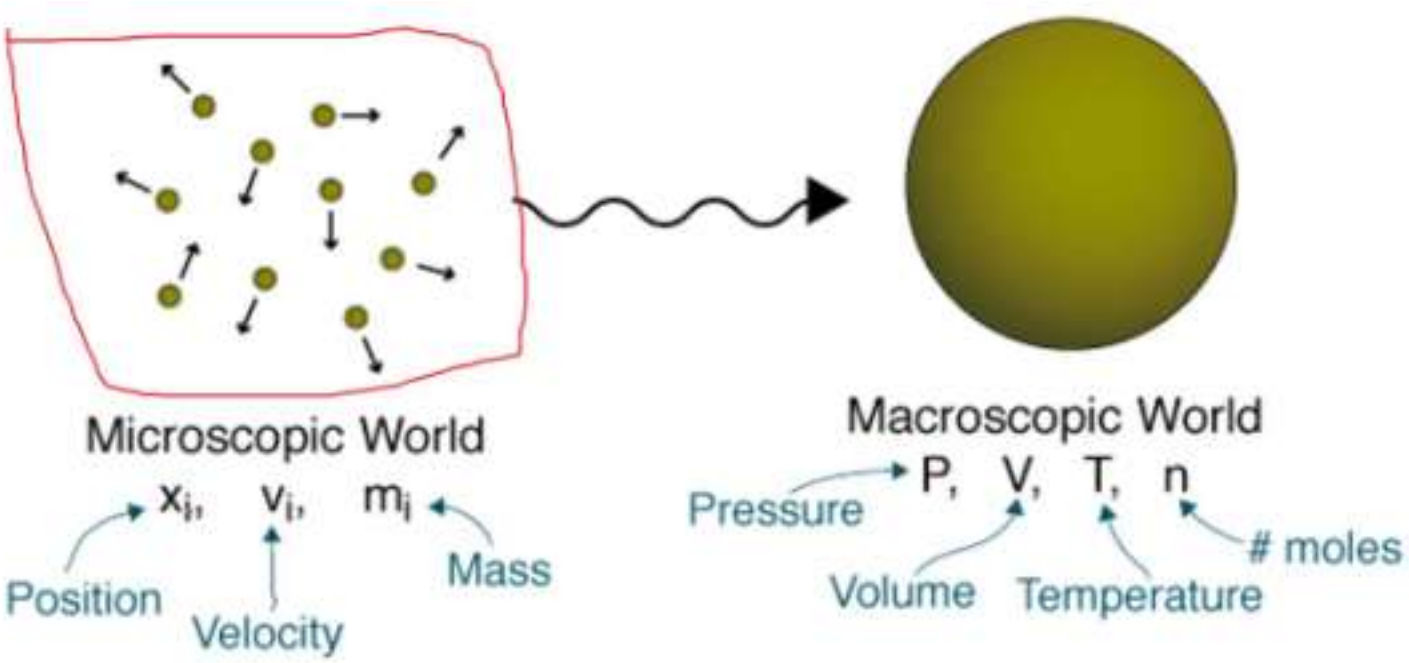


SYSTEM AND SURROUNDINGS

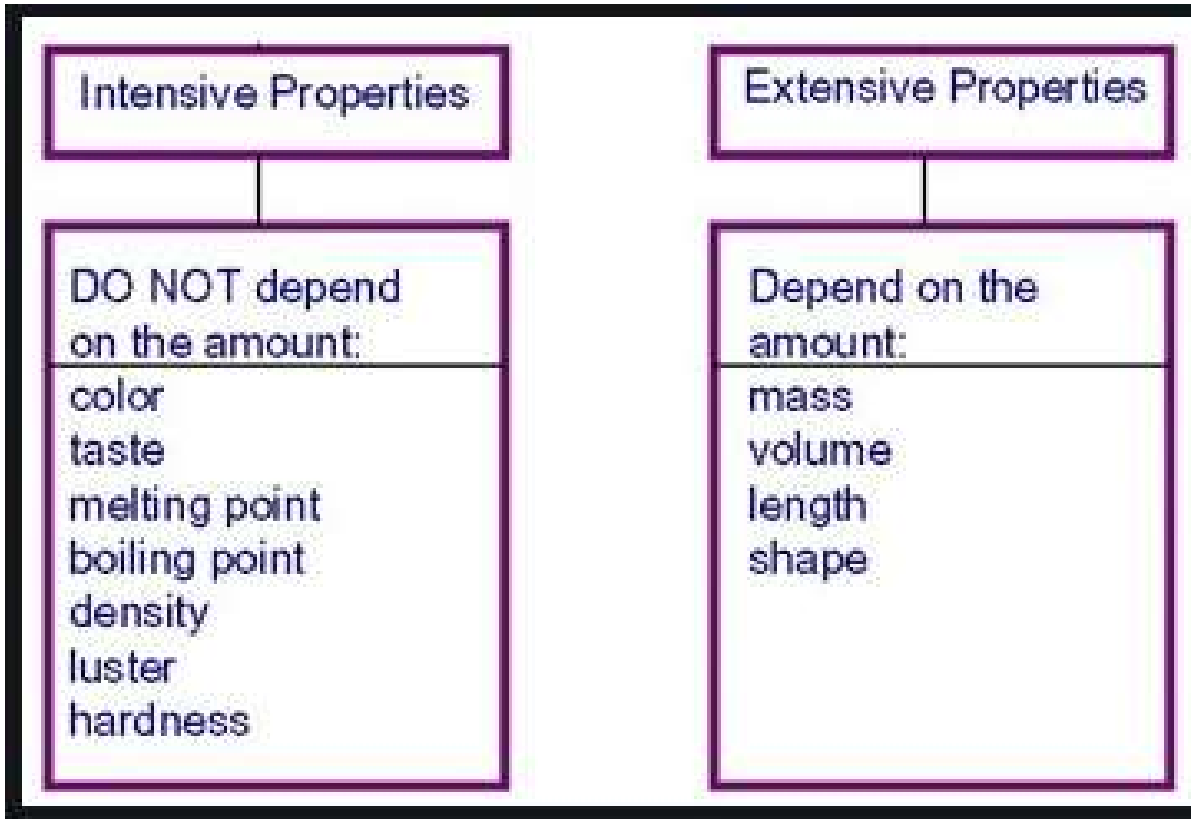
TYPES OF SYSTEM



MICROSCOPIC AND MACROSCOPIC APPROACH



INTENSIVE AND EXTENSIVE PROPERTIES



POINT AND PATH FUNCTION

Path functions have inexact differentials designated by the symbol **δ**, eg. **δ** Q and **δ** W.

$$\int_1^2 \delta W = W_{12} \quad (\text{not } \Delta W)$$

Point functions have exact differentials designated by the symbol Δ, eg. Δ V

$$\int_1^2 dV = V_2 - V_1 = \Delta V$$

TEMPERATURE SCALE