

Work transfer & Heat transfer:

• Heat transfer is defined as the energy transferred across across a boundary by virtue of temperature difference.

• Heat transfer always need not rise the temp of a System.

Ex:- when heat is added to ice, the temp will not increase, only melting of ice will take place

The amount of heat transferred for the phase change from ice to water is called latent heat, when the heat transfer causes temp changes it is called sensible heat.

