

Thermodynamics

Thermodynamics $\rightarrow$ flow of heat
(word)

Deals with energy changes accompanying all types of physical and chemical processes.

Thermodynamics governed by Laws of thermodynamics.

$\downarrow$
Based on human experiences.

Apply only to matter in bulk. & not to individual atoms

$\rightarrow$ It tells the feasibility of rxn (or process) but does not tell anything about the rate at which a given process may proceed.

System:- A system may be defined as any specified portion of matter under study, which is separated from the rest of the universe with a boundary surface. A system may consist of one or more substances.

Surroundings:- The rest of the universe which might be in a position to exchange energy and matter with system is called surroundings.