

* Derived quantities :-

i] The physical quantities other than fundamental quantities which depend on one or more fundamental quantities for their measurements are called derived quantities.

ii] Examples - velocity, Acceleration, momentum etc.

* Derived units :-

The units of derived quantities which are expressed in terms of fundamental units for their measurements are called derived units.

OR

The units used to measure derived quantities are called Derived units.

* Fundamental quantities :-

i] The Physical quantities which do not depend on any other physical quantity for their measurements are called Fundamental quantities.

ii] Examples : length, mass etc.

Fundamental quantities	S.I. unit	C.G.S unit
mass	kilogram (kg)	gram (g)
Length	metre (m)	centimetre (cm)

* Fundamental units :-

The units used to measure fundamental quantities are called fundamental units.

* S.I. units of fundamental quantities :-

Fundamental quantity	S.I. units	
	Name	Symbol
1) Length	metre	m
2) Mass	kilogram	kg
3) Time	second	s
4) Electric current	ampere	A
5) Thermodynamic Temperature	kelvin	K
6) Amount of substance	mole	mol
7) Luminous intensity	candela	cd.