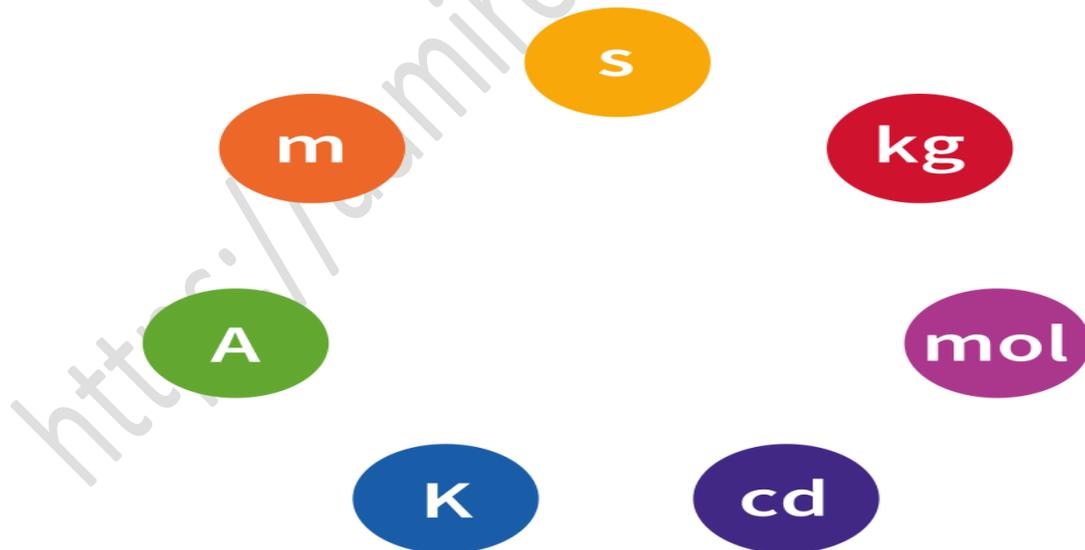


International System of Units (SI System)

The International System of Units (SI, abbreviated from the French *Système international (d'unités)*) is the modern form of the metric system and is the most widely used system of measurement. It comprises a coherent system of units of measurement built on seven base units, which are the second, meter, kilogram, ampere, kelvin, mole, candela, and a set of twenty prefixes to the unit names and unit symbols that may be used when specifying multiples and fractions of the units. The system also specifies names for 22 derived units, such as lumen and watt, for other common physical quantities.

The seven SI base units

Symbol	Name	Quantity
s	second	time
m	meter	length
kg	kilogram	mass
A	ampere	electric current
K	kelvin	temperature
mol	mole	amount of substance
cd	candela	luminous intensity



FPS system

Foot, Pound, Second, system of units which originated in the UK and since 1960 has been replaced by the Metric units the world over except a few countries such as the US. Also called imperial system.

The foot-pound-second (**fps**) **system** of **units** is a scheme for measuring dimensional and material quantities. The fundamental **units** are the foot for length, the pound for weight, and the second for time. The **fps system** has two variants, known as the American version and the Imperial version.

Length	Foot or Feet	ft
Mass	pound	lb
Time	Second	s
Area	Foot squared	ft ²
Volume	Foot cubed	ft ³

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