

S.I. Units

In 1960 an international committee of scientists revised the metric system of measurements...

“Système Internationale d’Unités”

SI Base Units

Quantity	Unit	Symbol
time	second	s
length	meter	m
mass	kilogram	kg
temperature	kelvin	K
amount	mole	mol

Derived Units

(a combination of base units)

quantity	unit	symbol
speed	meters/second	m/s
volume*	cubic meter or cubic centimeter	m³ cm³
density	grams/cubic centimeter	g/cm³

***Note: 1 cm³ = 1 mL**

Metric Prefixes

↑
larger
than
base
unit

smaller
than
base
unit
↓

prefix	symbol	10^x	conversion factor (ex: g)
giga	G	10^9	10^9 g = 1 Gg
mega	M	10^6	10^6 g = 1 Mg
kilo	k	10^3	1000 g = 1 kg
deci	d	10^{-1}	1 g = 10 dg
centi	c	10^{-2}	1 g = 100 cg
milli	m	10^{-3}	1 g = 1000 mg
micro	μ	10^{-6}	1 g = 10^6 μg
nano	n	10^{-9}	1 g = 10^9 ng
pico	p	10^{-12}	1 g = 10^{12} pg