

**CONVERSION FACTORS
& other assorted information**

MEASUREMENTS & UNITS COMMONLY USED IN CHEMISTRY:

Length: meter (m)	Mass: gram (g)
Volume: liter (L)	Time: second (s)
Temperature: Kelvin (K)	Pressure: atmosphere (atm)
Amount of a substance: mole (mol)	Energy: joule (J)

METRIC PREFIXES & THEIR EQUIVALENTS:

1 Mega ()	equals	1 000 000 ()
1 kilo ()	equals	1 000 ()
1 hecto ()	equals	100 ()
1 deka ()	equals	10 ()
10 deci ()	equals	1 ()
100 centi ()	equals	1 ()
1 000 milli ()	equals	1 ()
1 000 000 micro ()	equals	1 ()
1 000 000 000 nano ()	equals	1 ()

() = any of the same above
units

For example:

1 kilo(gram) = 1000 (gram)

CONVERSIONS:

Length	2.54	cm	equals	1	in
	1	cm	equals	5280	ft
	1	mi	equals	1.609	km
	1	ft	equals	1	in
	1	yd	equals	3	ft

Mass / Weight	454	g	equals	1	lb
	1	kg	equals	2.2	lb
	1	lb	equals	16	oz
	1	ton	equals	2000	lb

Volume	1	L	equals	1.06	qt
	1	mL	equals	1	cm ³
	2	cup	equals	1	pt
	2	pt	equals	1	qt
	4	qt	equals	1	gal

ABBREVIATIONS:

Mega	-	M
kilo	-	k
hecto	-	h
deka	-	dk
deci	-	d
centi	-	c
milli	-	m
micro	-	μ
nano	-	n
inch	-	in
foot	-	ft
yard	-	yd
mile	-	mi
meter	-	m
gram	-	g
pound	-	lb
ounce	-	oz
liter	-	L
pint	-	pt
quart	-	qt
gallon	-	gal
cubic centimeter	-	cm ³ (or cc)

