

**Table 2.1 Prefixes and Numerical Values for SI Units**

Prefix	Symbol	Numerical value	Power of 10 equivalent
exa	E	1,000,000,000,000,000,000	$10^{18}$
peta	P	1,000,000,000,000,000	$10^{15}$
tera	T	1,000,000,000,000	$10^{12}$
giga	G	1,000,000,000	$10^9$
<b>mega</b>	M	1,000,000	$10^6$
<b>kilo</b>	k	1,000	$10^3$
hecto	h	100	$10^2$
deka	da	10	$10^1$
— <b>BASE</b>	—	1	$10^0$
<b>deci</b>	d	0.1	$10^{-1}$
<b>centi</b>	c	0.01	$10^{-2}$
<b>milli</b>	m	0.001	$10^{-3}$
<b>micro</b>	$\mu$	0.000001	$10^{-6}$
<b>nano</b>	n	0.000000001	$10^{-9}$
pico	p	0.0000000000001	$10^{-12}$
femto	f	0.0000000000000001	$10^{-15}$
atto	a	0.0000000000000000001	$10^{-18}$

**Table 2.2 International System's Standard Units of Measurement**

Quantity	Name of unit	Abbreviation
Length	meter	m
Mass	kilogram	kg
Temperature	kelvin	K
Time	second	s
Amount of substance	mole	mol
Electric current	ampere	A
Luminous intensity	candela	cd