

S.I. Base Units

<u>Quantity</u>	<u>SI Unit</u>	<u>Symbol</u>
Length	meter	m
Mass	kilogram	kg
Time	second	s
Electric current	ampere	A
Temperature	kelvin	K
Amount of substance	mole	mol

S.I. Derived Units

<u>Quantity</u>	<u>Unit</u>	<u>Symbol</u>	<u>SI Units</u>
Energy	joule	J	$\text{kg m}^2 \text{s}^{-2}$
Force	newton	N	kg m s^{-2}
Power	watt	W	$\text{kg m}^2 \text{s}^{-3}$
Electric charge	coulomb	C	A s
Electric potential	volt	V	$\text{kg m}^2 \text{s}^{-3} \text{A}^{-1}$
Magnetic flux density	tesla	T	$\text{kg s}^{-2} \text{A}^{-1}$
Frequency	hertz	Hz	s^{-1} (<i>cycle per second</i>)