

## S.I. Prefixes.

In physics we have to deal from very small (micro) to very large (macro) magnitudes as on one side we talk about the atom while on the other side of universe, e.g., the mass of an electron is  $9.1 \times 10^{-31}$  kg while that of the sun is  $2 \times 10^{30}$  kg. To express such large or small magnitudes simultaneously we use the following prefixes:

<b>Power of 10</b>	<b>Prefix</b>	<b>Symbol</b>
$10^{18}$	exa	E
$10^{15}$	peta	P
$10^{12}$	tera	T
$10^9$	giga	G
$10^6$	mega	M
$10^3$	kilo	k
$10^2$	hecto	h
$10^1$	deca	da
$10^{-1}$	deci	d
$10^{-1}$	centi	c
$10^{-3}$	milli	m
$10^{-6}$	micro	$\mu$
$10^{-9}$	nano	n
$10^{-12}$	pico	p
$10^{-15}$	femto	f
$10^{-18}$	atto	a