Name	Symbol	Value	Unit
Speed of light in vacuum	c	299 792 458 (0)	$m \cdot s^{-1}$
Permeability of vacuum	μ_o	$4\pi \times 10^{-7}$	$N \cdot A^{-2}$
Permittivity of vacuum	ε_o	$8.854\ 187\ 817...\ (0) \times 10^{-12}$	$C^2 \cdot N^{-1} \cdot m^{-2}$
Avogadro constant	N_A	$6.022\ 140\ 857(74) \times 10^{23}$	mol^{-1}
Atomic mass unit	u	$1.660\ 539\ 040(20) \times 10^{-27}$	kg
Elementary charge	e	$1.602\ 176\ 6208(98) \times 10^{-19}$	C
Electron mass	m_e	$9.109\ 383\ 56(11) \times 10^{-31}$	kg
Proton mass	m_p	$1.672\ 621\ 898(21) \times 10^{-27}$	kg
Neutron mass	m_n	$1.674\ 927\ 471(21) \times 10^{-27}$	kg
Proton-electron mass ratio	m_p / m_e	1836.152 673 89(17)	
Constant of gravitation	G	$6.674\ 08(31) \times 10^{-11}$	$N \cdot m^2 \cdot kg^{-2}$
Boltzmann constant	k	$1.380\ 648\ 52(79) \times 10^{-23}$	$J \cdot K^{-1}$
Molar gas constant Molar gas constant Molar gas constant	R R R	8.314 4598(48) 1.987 2036(11) 0.082 057 338(47)	$J \cdot mol^{-1} \cdot K^{-1}$ $cal \cdot mol^{-1} \cdot K^{-1}$ $atm \cdot L \cdot mol^{-1} \cdot K^{-1}$
Molar volume of ideal gas (S.T.P.)	V_m	22.413 962(13)	$L \cdot mol^{-1}$
Faraday constant	F	96 485.332 89(59)	$C \cdot mol^{-1}$
Standard acceleration of gravity	g	9.80665 (0)	$m \cdot s^{-2}$
Coulomb's law constant	k	$8.987\ 551\ 787\ 368...(0) \times 10^9$	$N \cdot m^2 \cdot C^{-2}$
Planck constant	h $\hbar$	$6.626\ 070\ 040(81) \times 10^{-34}$ $1.054\ 571\ 800(13) \times 10^{-34}$	J·s J·s
Rydberg constant (infinite)	R_∞	10 973 731.568 508(65)	m^{-1}
Rydberg constant (hydrogen)	R_H	10 967 758.341	m^{-1}
Radio de Bohr	a_o	$5.291\ 772\ 1067(12) \times 10^{-11}$	m
Stefan-Boltzmann constant	σ	$5.670\ 367(13) \times 10^{-8}$	$W \cdot m^{-2} \cdot K^{-4}$
Earth mass	M_E	$5.972\ 19 \times 10^{24}$	kg
Moon mass	M_M	7.3477×10^{22}	kg
Sun mass	M_S	$1.988\ 55 \times 10^{30}$	kg
Earth equatorial radius	a	$6.378\ 1366 \times 10^6$	m
Moon equatorial radius	R_M	$1.738\ 14 \times 10^6$	m
Sun equatorial radius	R_S	$6.963\ 42 \times 10^8$	m
Pi constant	π	3.14159 26535 89793...(0)	
e constant	e	2.71828 18284 59045...(0)	

S.T.P.: Standard temperature and pressure: $T = 0\ °C = 273.15\ K$, $P = 1\ atm = 101\,325\ Pa$