

Constants

Atomic mass unit	1 amu	$1.6605402 \times 10^{-27}$ kg
	1 g	6.0221367×10^{23} amu
Avogadro constant	N_A	6.0221367×10^{23} mol ⁻¹
Bohr magneton	μ_B	9.27×10^{-24} J/T
		5.79×10^{-5} eV/T
Bohr radius	a	5.29×10^{-11} m
Boltzmann constant	k	1.38×10^{-23} J/K
		8.62×10^{-5} eV/K
Deuteron mass	m_d	3.34×10^{-27} kg
Electron mass	m_e	9.11×10^{-31} kg
Elementary charge	e	$1.60217733 \times 10^{-19}$ C
Faraday's constant	F	$Ne = 9.65 \times 10^4$ C/mol
Gravitational constant	G	6.67×10^{-11} N·m ² /kg ²
Mass-energy relation	c^2	8.99×10^{16} J/kg
		931.5 MeV/u
Neutron mass	m_n	1.68×10^{-27} kg
Permeability constant	μ_0	1.26×10^{-6} H/m
Permittivity constant	ϵ_0	8.85×10^{-12} F/m
Pi	π	3.1415926536
Planck constant	h	$6.6260755 \times 10^{-34}$ J·s
		4.14×10^{-15} eV·s
Proton mass	m_p	1.67×10^{-27} kg
Rydberg constant	R	0.01097 nm ⁻¹
Speed of light	c	2.99792458×10^8 m/s
Universal gas constant	R	8.31 J/mol·K

Conversion Factors on other side