Constants

Speed of light in vacuum	$c = 3{\cdot}00\times10^{8}$ m s^{-1}
Permeability of vacuum	$\mu_0 = 4\pi\times10^{-7}$ H m^{-1}
Permittivity of vacuum	$\varepsilon_0 = 8{\cdot}85\times10^{-12}$ F m^{-1}
Elementary charge	$e = 1{\cdot}60\times10^{-19}$ C
Planck constant	$h = 6{\cdot}63\times10^{-34}$ J s
Avagadro constant	$N_A = 6{\cdot}02\times10^{23}$ mol^{-1}
Boltzmann constant	$k = 1{\cdot}38\times10^{-23}$ J K^{-1}
Gas constant	$R = 8{\cdot}31$ J K^{-1} mol^{-1}
Unified atomic mass constant	$m_u = 1{\cdot}66\times10^{-27}$ kg = 931 MeV c^{-2}
Electron mass	$m_e = 9{\cdot}11\times10^{-31}$ kg
Proton mass	$m_p = 1{\cdot}67\times10^{-27}$ kg
Gravitational constant	$G = 6{\cdot}67\times10^{-11}$ N m^2 kg^{-2}
Acceleration due to gravity	$g = 9{\cdot}8$ m s^{-2}