Fundamental physical constants

Avogadro’s number : $N_A = 6.022\times10^{23}$ atoms/g-atom.

Avogadro’s number : $N_A = 6.022\times10^{23}$ molecules/g-mole.

Speed of light in vacuum : c = 299792458 m/s (≒ 3×10^{8} m/s).

Electron charge : $e = 1.602\times10^{-19}$ C.

Electron rest mass : m_e- =0.5110 MeV/c^2.

Positron rest mass : m_e+ = 0.5110 MeV/c^2.

Proton rest mass : m_p = 938.3 MeV/c^2.

Neutron rest mass : m_n = 939.6 MeV/c^2.

Atomic mass unit : u = 931.5 MeV/c^2.

Planck’s constant : $h = 6.626\times10^{-34}$ J·s.