Physical Constants:

Vacuum permittivity: $\varepsilon_o = 8.85 \times 10^{-12}$ F/m

Planck's constant: $h = 6.63 \times 10^{-34}$ J·s

Reduced Planck's constant: $\hbar = 1.05 \times 10^{-34}$ J·s

Speed of light: $c = 3.00 \times 10^8$ m/s

Electronic charge: $q = 1.60 \times 10^{-19}$ C

Electron rest mass: $m_o = 9.11 \times 10^{-31}$ kg

Proton rest mass: $m_p = 1.67 \times 10^{-27}$ kg

Boltzmann constant: $k_B = 1.38 \times 10^{-23}$ J/K

Energy unit conversion: $1\ eV = 1.60 \times 10^{-19}$ J