Some (more) numerology

- 1 eV = kinetic energy of an electron that has been accelerated through a potential difference of 1 V

   $1 \text{ eV} = q\Delta V = 1.6 \times 10^{-19}$ J

- h (Planck's constant) = 6.63×10^{-34} J·s

   hc = 1240 eV·nm

- m = mass of electron = 9.1×10^{-31} kg

   $mc^2 = 511{,}000$ eV

- U = ke^2/r, so ke^2 has units eV·nm (like hc)

   $2\pi ke^2/(hc) = 1/137$ (dimensionless)