

Atomic physics

Keep revising the formula at least twice in a week and do practice as much as you can.

Below is the table for some fundamental formula of atomic physics which will be used in almost all questions

Important Formulas

Velocity of the electron	$v = \frac{nh}{2\pi mr}$
Radius of nth orbit	$r_n = 0.529 \times \frac{n^2}{zA}$
Wave length of EMR	$\frac{c}{\lambda} = R \left(\frac{1}{n_1^2} - \frac{1}{n_2^2} \right)$
Energy of photon	$E = h\nu$
De Broglie equation	$\lambda = h/mv$
Threshold frequency	$h\nu = h\nu_0 + \frac{1}{2}mv^2$