

Course on Atomic Structure for Class XI



430.53 KJ/mg/ 430.53×183

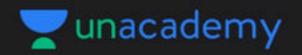
24 onm. es

-13.5 · 13.6×3 -13.6×4 [3.672]N=1mV 62eV.

[1] 4 12

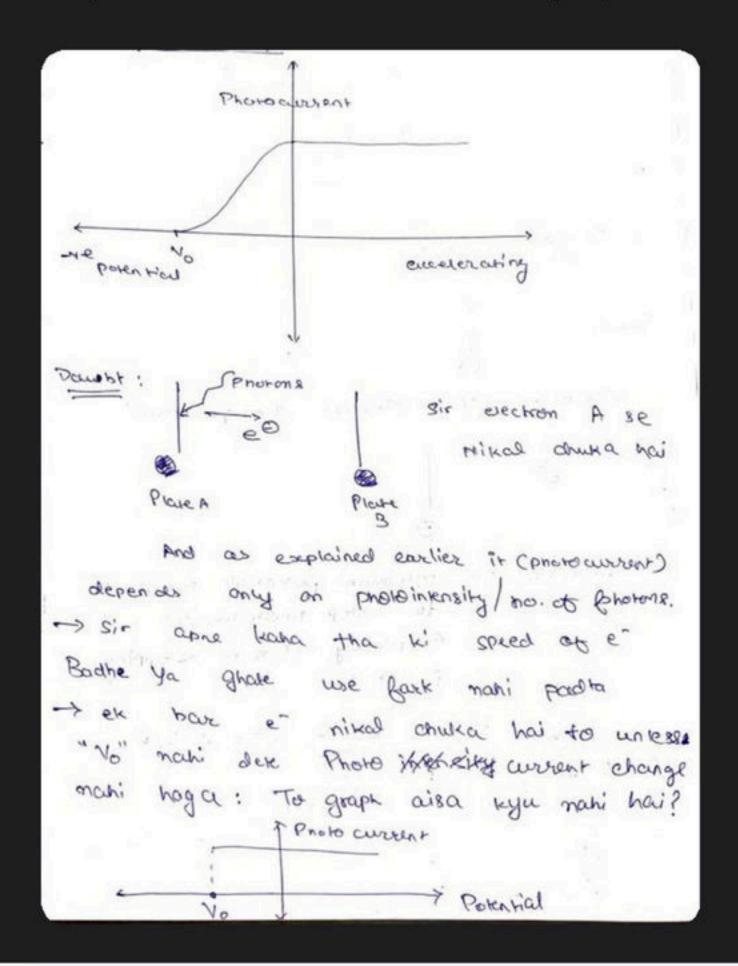




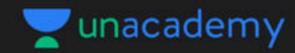


▲ 34 • Asked by Ridham

Sir photocurrent vs Potential ke graph se ek doubt hai







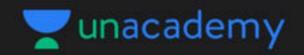
▲ 12 • Asked by Dhruv

namasta sir sir q se zyada unki alag alag units mai galat ho raha hai uska koi method of prevention as take care kia tab bhi reh jata hai koi point



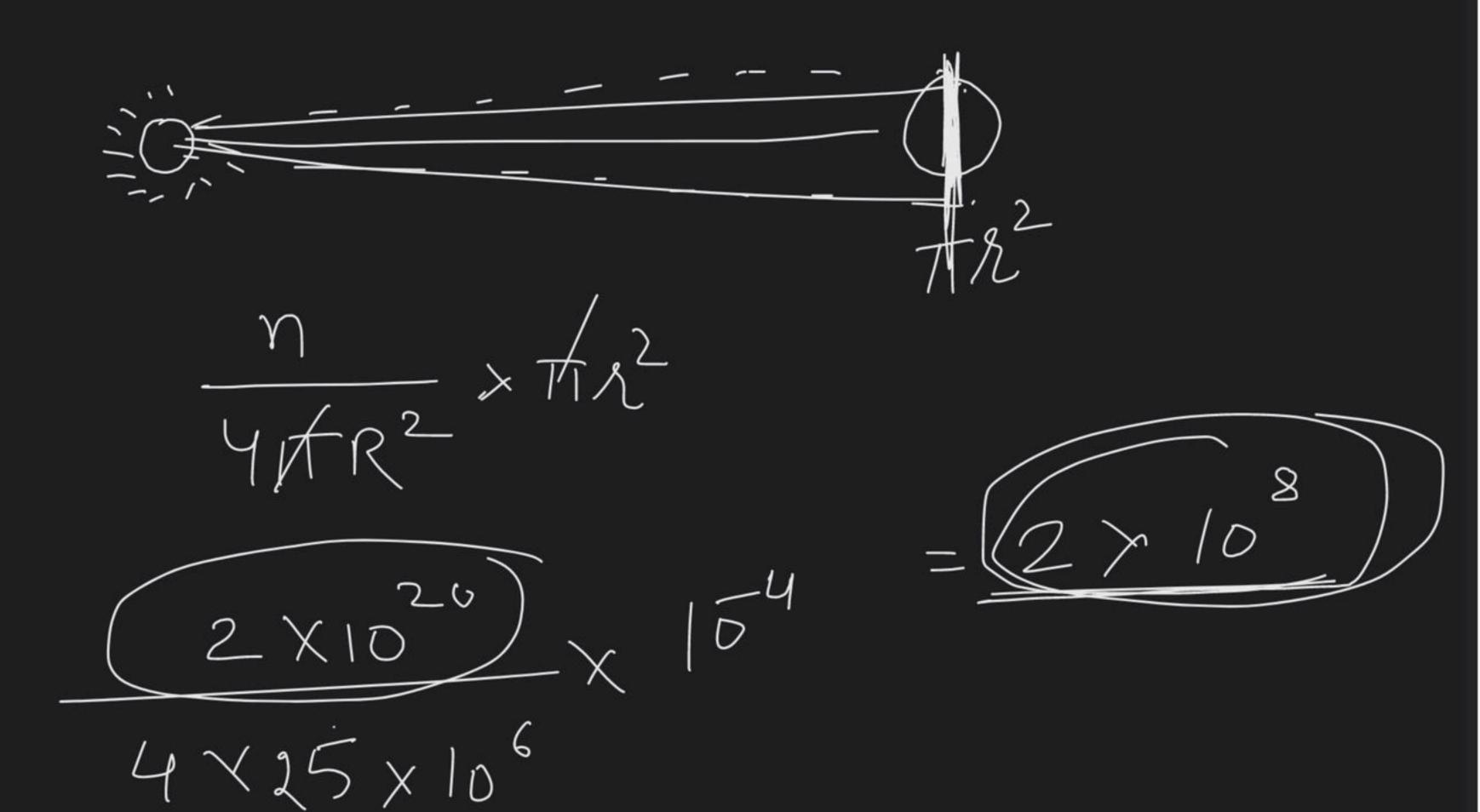
▲ 13 · Asked by Anurag
KUCH BATAO SIR YE WALI PHOTO KE BAARE ME





8 • Asked by Abhishek

SIR CONCEPT CLEAR HAI BUT QUESTIONS NHI BANTE ATOMIC KE. WHAT TO DO?



De broglie hypothesis : Partide nature

m= man of particle $\lambda = \frac{1}{2}$ V = Speed of particle In case q e - mv2 = KE $\lambda = \frac{150}{1}$ Ao (MV) 2 = 2 MKE 2.m.g.V Ja.m.KE

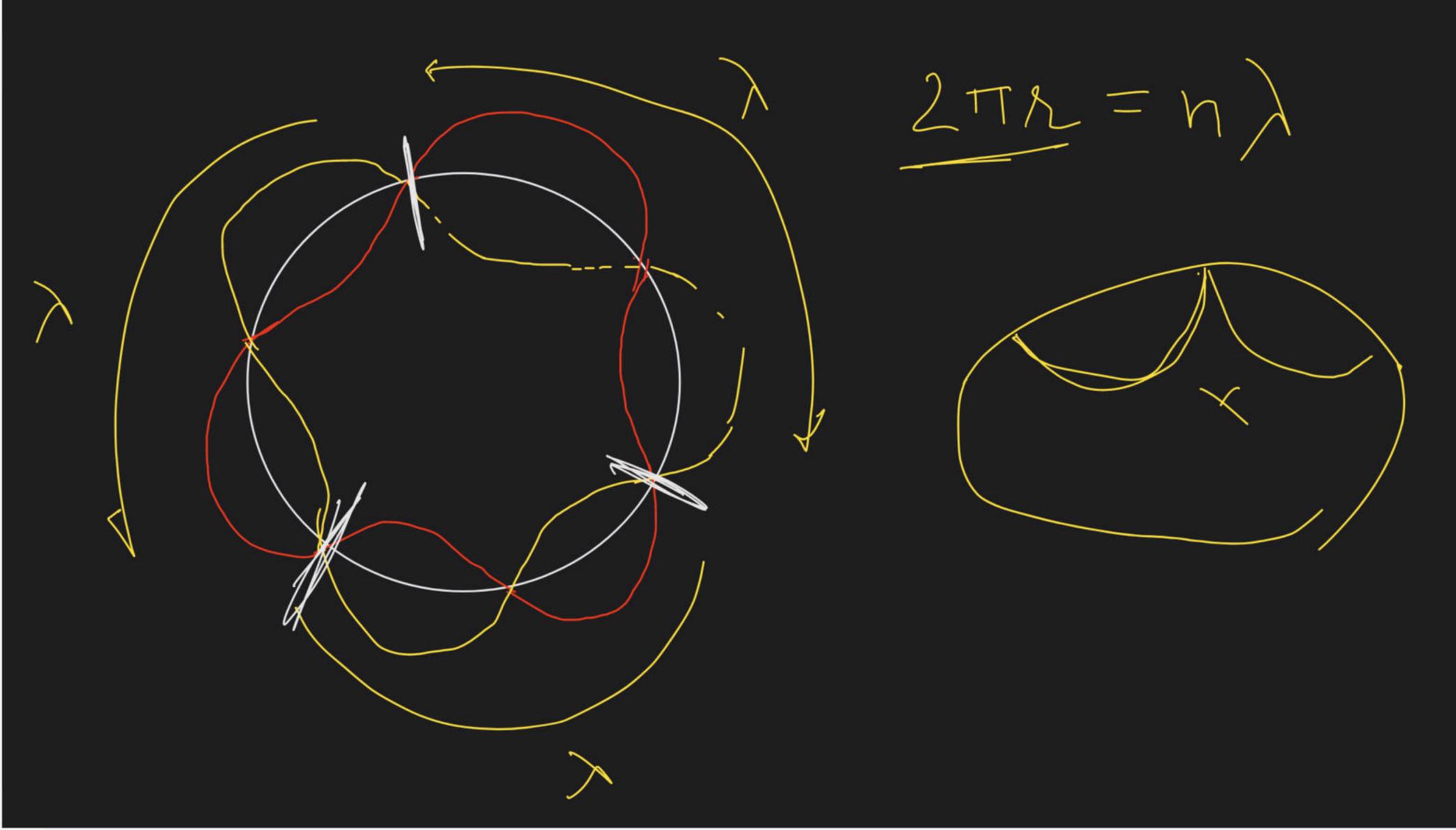
Calculate me debroglie 2 of a particle of man 6-62 gm moving 50 m/see $\int = \frac{5.62 \times 10^{-33}}{} = \frac{2 \times 10^{-33}}{}$ 6.62 X 10-3 X 50

50 m/scc = 50 x 18/5 km/m = 180 km/m

 $find \lambda = 1.5eV$. $\lambda = 1.5eV$ $\lambda = 1.5eV$

Derivation of Bohr's quantization of angular Momenton using De broglie hypothesis: Standing war Antinade

Antinade Node



profon 2mKE

$$2\pi\lambda = n \qquad \frac{1}{2\pi} \qquad \frac{2\pi\lambda = n\lambda}{2\pi} \qquad \frac{2\pi\lambda =$$



Clash of titan of BB(

YOUNG'S DOUBLE SLIT EXPERIMENT

