Apr 13

Get clickers

FINAL EXAM INFO:

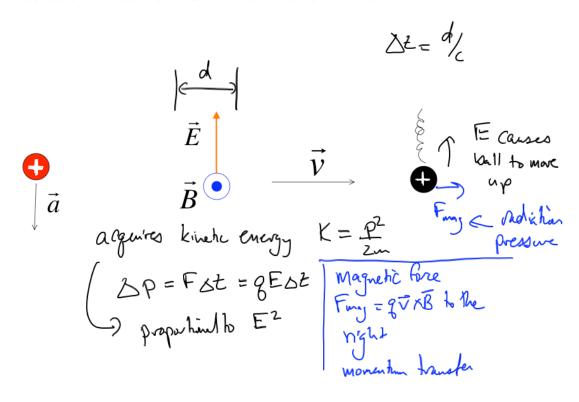
Wednesday, April 22nd from 12:00-1:50 in this room Practice exam on website

$$\lambda = \frac{h}{p} = \frac{h}{mv} \Rightarrow v = \frac{h}{mx}$$

For scattering off crystal, want
$$\lambda \sim 10^{10} \text{m}$$

 $N = 6.6 \text{e} - 34 \text{ J} \cdot \text{S}$, $M = 1.7 \text{e} - 27 \text{kg}$
 $V = \frac{6.6 \text{e} - 34 \text{ J} \cdot \text{S}}{1.7 \text{e} - 27 \times 10^{10} \text{ m}} = 3.882 \text{ m/s}$

Discussion: Effects of E & M Radiation on Matter



Scatternyl vadates

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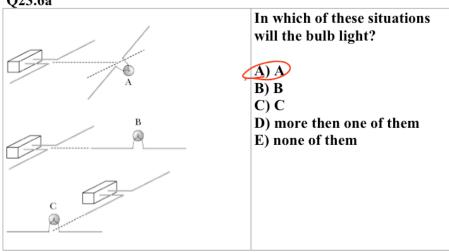
Smaller

Trevadahi

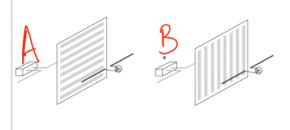
Evad = -932 s

Articles

Demo: Wireless light bulb Q23.6a

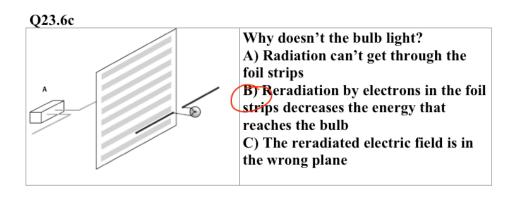


Q23.6b



In which situation will the bulb light?

- A) A
 B) B
 C) Both
 D) Neither



Discussion: Polarizers