

עוצמת קרינה

$$\lambda = 450 \text{ nm}$$

$$E = \frac{hc}{\lambda} = 4.42 \cdot 10^{-19} \text{ J}$$

$$N_{ph} = 10^{20}$$

$$E_{tot} = E_{ph} \cdot N_{ph} = 4.42 \cdot 10^{-19} \text{ J} \cdot 10^{20} = \boxed{44.2 \text{ J}}$$

$$N_{ph} = \frac{E_{tot}}{E_{ph}}$$

$$\frac{120 \text{ J}}{10 \text{ J}} = 12$$