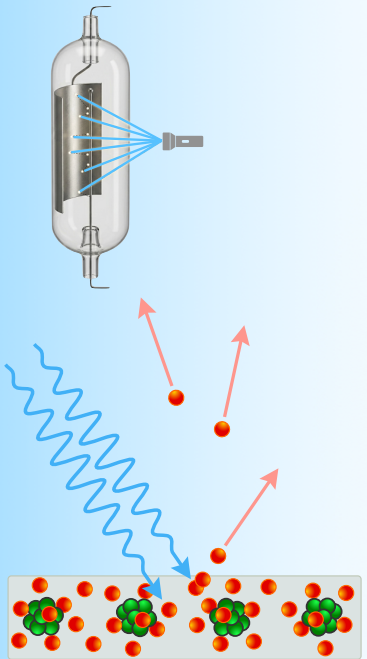


Effet photoélectrique (externe)



Métal

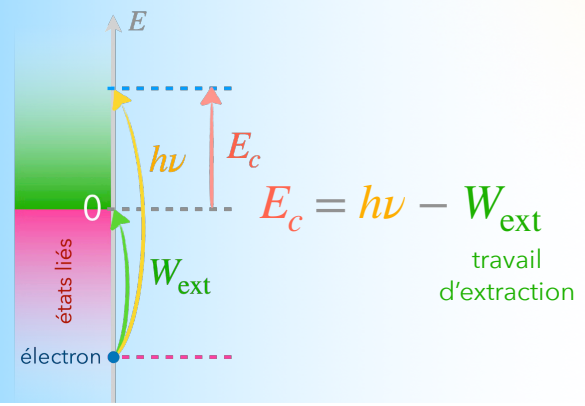
Particule de lumière sans masse voyageant à la vitesse c

Photon

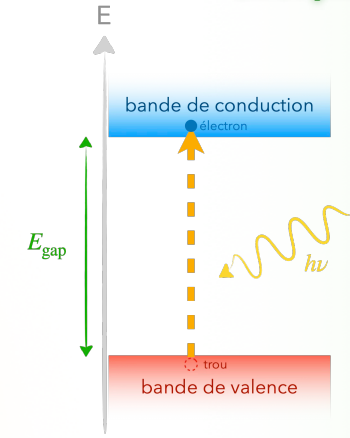
énergie d'un photon (J) célérité de la lumière $3,0 \times 10^8 \text{ m}\cdot\text{s}^{-1}$

$$E = h\nu = h \frac{c}{\lambda}$$

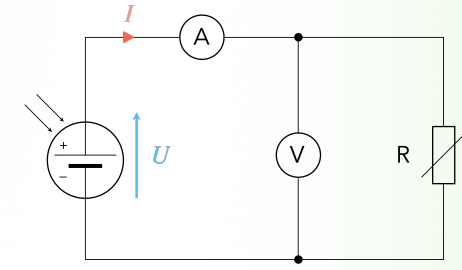
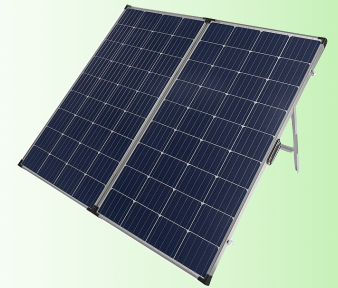
constante de Planck $6,63 \times 10^{-34} \text{ J}\cdot\text{s}$ fréquence (Hz) longueur d'onde (m)



Effet photoélectrique interne



Semi-conducteur



$$\eta = \frac{P_{\text{max}}}{P_{\text{lum}}}$$

