

27 Monochromatic light is incident on a clean metal surface of work function ϕ . The Planck constant is h and the speed of light is c .

What is the threshold wavelength for the emission of electrons from the metal surface?

A $\frac{h}{\phi c}$

B $\frac{\phi}{hc}$

C $\frac{hc}{\phi}$

D $\frac{\phi c}{h}$