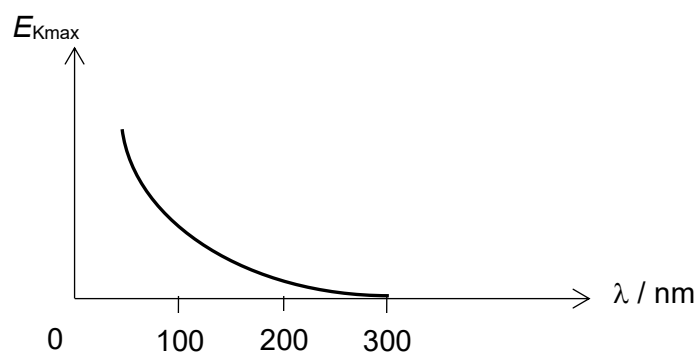


- 28** In a photoelectric experiment, the maximum kinetic energy of the ejected photoelectrons is measured for various wavelength of incident electromagnetic radiation.

A graph of this maximum kinetic energy, $E_{K\max}$, against the wavelength λ of the incident electromagnetic radiation falling on the surface of a metal is shown below.



What is the work function for this metal?

- A** 2.07 eV **B** 4.14 eV **C** 6.63 eV **D** 7.96 eV