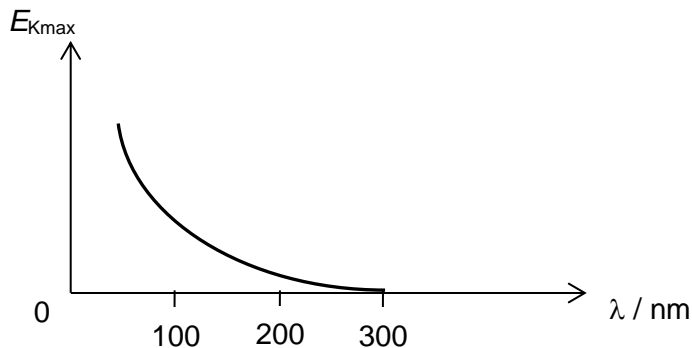


- 28** In a photoelectric experiment, the maximum kinetic energy of the ejected photoelectrons is measured for various wavelength of incident electromagnetic radiation.

A graph of this maximum kinetic energy, E_{Kmax} , 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

- 29** The maximum kinetic energy of photoelectrons emitted from a metal surface is 0.80 eV when the wavelength of the incident radiation is 400 nm. The work function of the metal is