

- 29** The work function of a certain metal is 4.0×10^{-19} J. It is irradiated with ultra-violet radiation of wavelength 250 nm.

What is the maximum speed of the photoelectron emitted?

A 9.3×10^5 m s⁻¹

B 9.4×10^5 m s⁻¹

C 1.3×10^6 m s⁻¹

D 1.6×10^6 m s⁻¹