28 When electromagnetic radiation falls on a particular metal surface, photoelectrons may be emitted. The table below gives the maximum kinetic energy of the photoelectrons emitted at a given frequency.

frequency of incident radiation	maximum kinetic energy of photoelectrons
1.0×10^{15} Hz	2.6×10^{-19} J
2.5×10^{15} Hz	E

What is the value of E?

A 1.3×10^{-18} J **B** 9.9×10^{-19} J **C** 7.3×10^{-19} J **D** 6.5×10^{-19} J