

- 30** Electrons are only just emitted from a metal surface when illuminated with light of frequency 4.0×10^{14} Hz.

When illuminated with light of frequency f , the stopping potential is found to be 1.5 V.

What is the value of the frequency f ?

- A** 3.8×10^{13} Hz **B** 3.6×10^{14} Hz **C** 4.2×10^{14} Hz **D** 7.6×10^{14} Hz