

- 10** Free electrons in the ionosphere are subjected to a 200 kHz electromagnetic wave in which the electric force oscillates with a maximum force of 8.0×10^{-22} N.

What is the amplitude of oscillation of these electrons?

A 3.2×10^{-15} m **B** 4.0×10^{-9} m **C** 2.5×10^{-8} m **D** 5.6×10^{-4} m