

**32** An electron is in a uniform electric field of field strength  $1500 \text{ V m}^{-1}$ .

What is the acceleration of the electron due to the electric field?

**A**  $8.5 \times 10^{-9} \text{ m s}^{-2}$

**B**  $1.6 \times 10^{-5} \text{ m s}^{-2}$

**C**  $1.4 \times 10^{11} \text{ m s}^{-2}$

**D**  $2.6 \times 10^{14} \text{ m s}^{-2}$