

- 28** The speed of an electron is measured to be  $5.8 \times 10^6 \text{ m s}^{-1}$  to an accuracy of 0.2%.

What is the minimum uncertainty in determining the position of the electron?

- A**  $5.7 \times 10^{-38} \text{ m}$       **B**  $1.1 \times 10^{-26} \text{ m}$       **C**  $1.3 \times 10^{-10} \text{ m}$       **D**  $6.3 \times 10^{-8} \text{ m}$