

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** $6.3 \times 10^{-8} \text{ m}$