

**1** Which of the following gives the correct base units for the permittivity of free space,  $\epsilon_0$ ?

**A**  $\text{C}^2 \text{N}^{-1} \text{m}^{-2}$

**B**  $\text{kg}^{-1} \text{m}^{-3} \text{s}^4 \text{A}^2$

**C**  $\text{kg m}^{-3} \text{A}^2$

**D**  $\text{kg}^{-1} \text{m}^3 \text{s}^2 \text{A}^{-2}$