

**33** A metal electrical conductor has a resistance of  $5.6 \text{ k}\Omega$ . A potential difference (p.d.) of  $9.0 \text{ V}$  is applied across its ends.

How many electrons pass a point in the conductor in one minute?

**A**  $6.0 \times 10^{20}$

**B**  $1.0 \times 10^{19}$

**C**  $6.0 \times 10^{17}$

**D**  $1.0 \times 10^{16}$