

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

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

A 6.0×10^{20}

B 1.0×10^{19}

C 6.0×10^{17}

D 1.0×10^{16}