

**33** There is a current of 10 mA in a conductor for half an hour.

How much charge passes a point in the conductor in this time?

**A** 0.3 C

**B** 5 C

**C** 18 C

**D** 300 C

**34** An iron wire has length 8.0 m and diameter 0.50 mm. The wire has resistance  $R$ .