

- 20 The potential difference between two points P and Q in an electric circuit is 12 V. The current is 1.2 A and the change in energy of the charge carriers, as they pass between the points, is 10 J.

What is the time taken for the charge carriers to move between P and Q?

- A 0.69 s                      B 0.83 s                      C 1.00 s                      D 1.44 s

- 21 A metal wire X has a diameter of 0.0 mm and a length of 0.00 m.