

- 19 Two wires made of the same material but of different diameters are connected in a circuit so that the currents in them are equal.

How do the number density and the drift velocity of the charge carriers in the smaller diameter wire compare with their values in the larger diameter wire?

	number density	drift velocity
A	smaller	larger
B	smaller	equal
C	equal	larger
D	equal	equal

- 20 The diagram shows a circuit containing two identical resistors and two identical lamps.