

- 3 The equation $I = nqvA$ relates the current in a sample of a material to the movement of free charge carriers in the sample.

Which of the following is a correct definition of one of the terms in this equation?

- ☐ A n represents the number of charge carriers in the sample.
- ☐ B q represents the total charge stored in the sample.
- ☐ C v represents the drift velocity of the charge carriers in the sample.
- ☐ D A represents the surface area of the sample.

(Total for Question 3 = 1 mark)