

29 For a current-carrying wire, the current can be calculated using the equation shown.

$$I = Anvq$$

What is the meaning of n ?

- A** the number of charge carriers in the wire
- B** the number of charge carriers multiplied by the volume of the wire
- C** the number of charge carriers per unit length of the wire
- D** the number of charge carriers per unit volume of the wire

30 The number of free electrons in a wire is 0.41×10^{23} .