

32 The current I in a metallic conductor of cross-sectional area A is given by

$$I = Anve$$

where e is the elementary charge and v is the mean drift velocity of the conduction electrons.

What is represented by the letter n in the equation?

- A** density of conduction electrons
- B** number of conduction electrons per unit time
- C** number of conduction electrons per unit volume
- D** volume of conduction electrons