

31 When there is **no current** in a wire, which statement about the conduction electrons in that wire is correct?

- A** Electrons in the wire are moving totally randomly within the wire.
- B** Equal numbers of electrons move at the same speed, but in opposite directions, along the wire.
- C** No current is flowing therefore the electrons in the wire are stationary.
- D** No current is flowing therefore the electrons in the wire are vibrating around a fixed point.

32 A high resistance voltmeter connected across a battery reads 6.0V.