

- 26 An electron travels with constant velocity towards a region containing a field of force. The electron moves into the region and experiences a force  $F$  at right angles to its direction of travel.

What is a possible cause of the force  $F$ ?

- A a magnetic field that is in the same direction as the force  $F$  acting on the electron
- B a magnetic field that is in a direction perpendicular to the velocity and perpendicular to the direction of the force  $F$
- C an electric field that is in a direction perpendicular to the velocity and perpendicular to the direction of the force  $F$
- D an electric field that is in the same direction as the velocity of the electron

