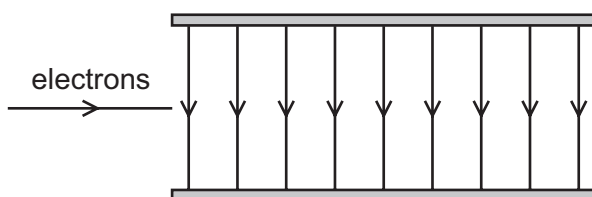
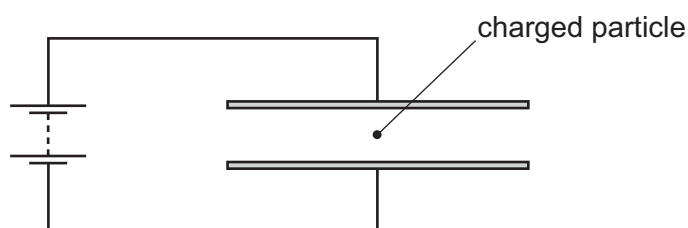


- 28 Electrons are accelerated and then directed into the uniform electric field between two parallel plates in a vacuum.



What best describes the shape of the path followed by the electrons in the field?

- A a downwards curve along a line that is part of a circle
  - B a downwards curve along a line that is **not** part of a circle
  - C an upwards curve along a line that is part of a circle
  - D an upwards curve along a line that is **not** part of a circle
- 29 A charged particle is in the electric field between two horizontal metal plates connected to a source of constant potential difference, as shown. There is a force  $F$  on the particle due to the electric field.



The separation of the plates is doubled.

What will be the new force on the particle?

- A  $\frac{F}{4}$
- B  $\frac{F}{2}$
- C  $F$
- D  $2F$

**Space for working**