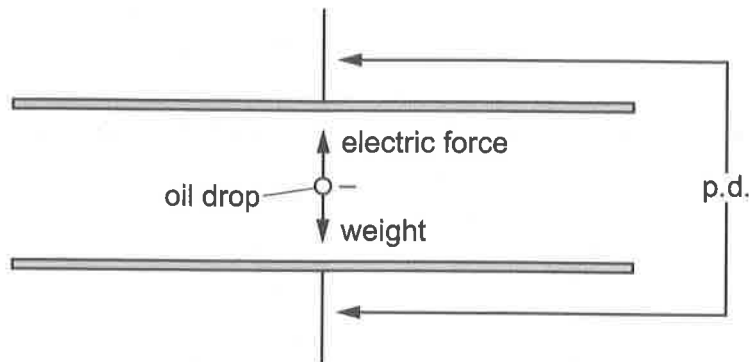


- 18 A constant potential difference (p.d.) across two parallel plates produces a uniform electric field between the plates. A negatively charged oil drop is at rest in a vacuum between the plates. The forces acting on the oil drop are shown in the diagram.



The p.d. between the plates is now reversed.

What happens to the oil drop?

- A The drop moves downwards with constant acceleration.
- B The drop accelerates downwards then moves with constant velocity.
- C The drop accelerates upwards then moves with constant velocity.
- D The drop moves horizontally with constant velocity.

- 19 A constant force acts to push an object up a smooth plane.