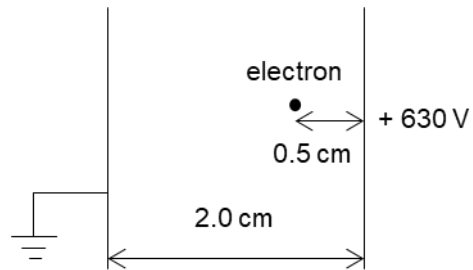


- 21** A pair of parallel plates placed 2.0 cm apart is shown below. One of the plates is charged positively and the other is earthed. An electron is placed at a distance 0.5 cm away from the positive plate as shown in the diagram.



What is the force on the electron by the electric field?

- A**  $2.0 \times 10^{-18} \text{ N}$
- B**  $7.6 \times 10^{-17} \text{ N}$
- C**  $1.0 \times 10^{-16} \text{ N}$
- D**  $5.0 \times 10^{-15} \text{ N}$