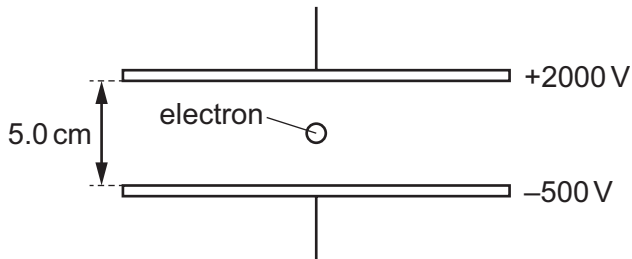


- 30** An electron passes into the space between two parallel plates that are 5.0 cm apart and which are maintained at electric potentials of +2000 V and -500 V, respectively.



What is the electric force on the electron?

- A** $1.6 \times 10^{-15} \text{ N}$
- B** $4.8 \times 10^{-15} \text{ N}$
- C** $6.4 \times 10^{-15} \text{ N}$
- D** $8.0 \times 10^{-15} \text{ N}$