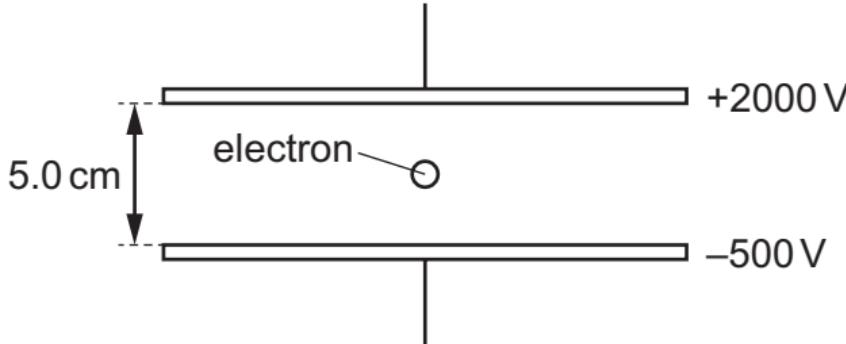


- 30 An electron passes into the space between two parallel plates that are 5.0 cm apart and which are maintained at electric potentials of +2000 V and -500 V, respectively.



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 $8.0 \times 10^{-15} \text{ N}$