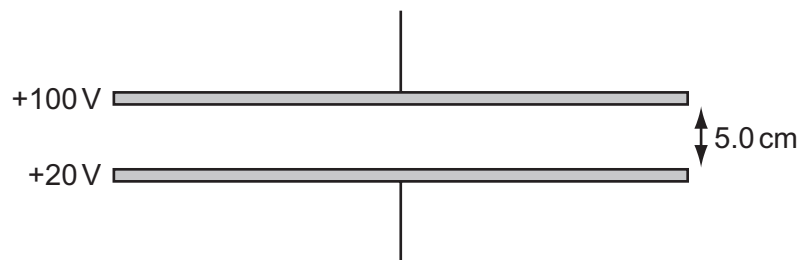


- 29** Two metal plates are held horizontal and parallel, 5.0 cm apart. The plates are at potentials of +100 V and +20 V.



What is the force experienced by an electron in the electric field between the plates?

- A** $2.6 \times 10^{-18} \text{ N}$
- B** $3.8 \times 10^{-18} \text{ N}$
- C** $2.6 \times 10^{-16} \text{ N}$
- D** $3.8 \times 10^{-16} \text{ N}$

Space for working