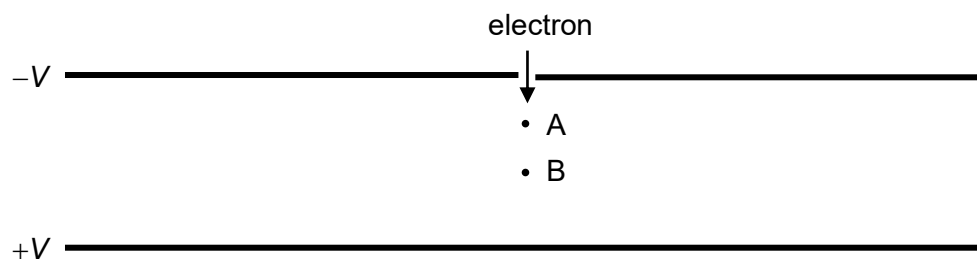


- 20** An electron enters the region between two charged parallel plates through a small opening, in the direction as shown in the diagram below. A and B are two points on the path of the electron.



The two plates are at electric potentials $-V$ and $+V$.

Which row correctly describes the relations between the electric forces F , potentials V and potential energies U at A and B?

- A** $F_A > F_B$, $V_A > V_B$, $U_A < U_B$
- B** $F_A > F_B$, $V_A < V_B$, $U_A > U_B$
- C** $F_A = F_B$, $V_A > V_B$, $U_A < U_B$
- D** $F_A = F_B$, $V_A < V_B$, $U_A > U_B$