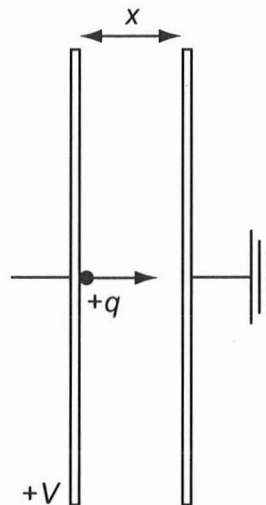


- 10 A particle of charge $+q$ is accelerated between two parallel plates. The plates are separated by a distance x and there is a potential difference V between them.



How do the kinetic and the electric potential energies of the particle change?

	kinetic energy	electric potential energy
A	decreases by $\frac{qV}{x}$	increases by $\frac{qV}{x}$
B	increases by $\frac{qV}{x}$	decreases by $\frac{qV}{x}$
C	decreases by qV	increases by qV
D	increases by qV	decreases by qV