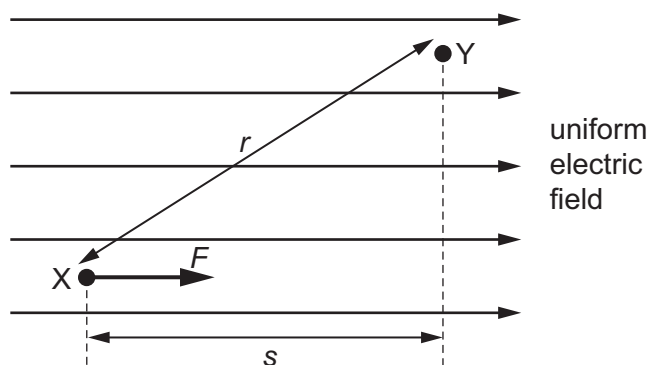


18 A positive charge experiences a force F when placed at point X in a uniform electric field.

The charge is then moved from point X to point Y.

Distances r and s are shown on the diagram.



What is the change in the potential energy of the charge?

- A** decreases by Fs
- B** increases by Fs
- C** decreases by Fr
- D** increases by Fr

Space for working