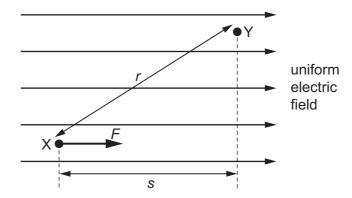
18 A positive charge experiences a force *F* when placed at point X in a uniform electric field.

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