

- 18 A point charge of $+Q$ is placed at X and a point charge of $-Q$ is placed at Y.



What happens to the electric force acting on an electron as it moves in a straight line from X to Y?

	magnitude of force	direction of force
A	decreases to a minimum at midpoint of XY and increases	always towards the left
B	decreases to a minimum at midpoint of XY and increases	always towards the right
C	increases to a maximum at midpoint of XY and decreases	always towards the left
D	increases to a maximum at midpoint of XY and decreases	always towards the right