

- 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
<b>A</b>	decreases to a minimum at midpoint of XY and increases	always towards the left
<b>B</b>	decreases to a minimum at midpoint of XY and increases	always towards the right
<b>C</b>	increases to a maximum at midpoint of XY and decreases	always towards the left
<b>D</b>	increases to a maximum at midpoint of XY and decreases	always towards the right