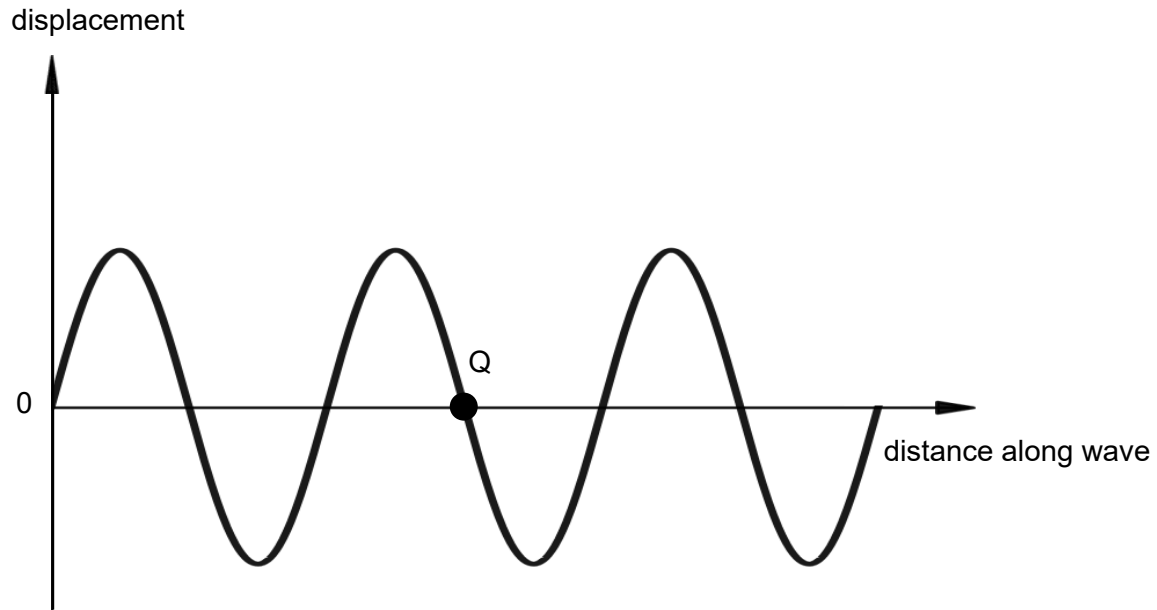


- 15** This diagram shows the displacement-distance graph of a transverse wave at time,  $t = 0$ . Taking upwards as positive, point Q is a point on the wave and is travelling downwards at  $t = 0$ . Another point P is  $\frac{7}{8}$  of a wavelength from point Q.



Which of the following descriptions shows a possible displacement and direction of velocity of point P?

	displacement	direction of velocity
<b>A</b>	positive	positive
<b>B</b>	positive	0
<b>C</b>	0	negative
<b>D</b>	negative	negative