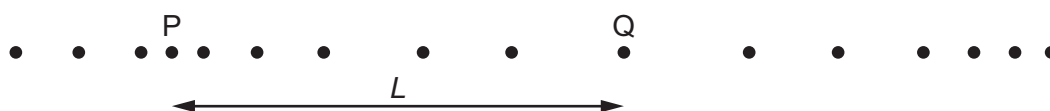


- 23 The diagram illustrates the position of particles in a progressive sound wave at one instant in time.



The speed of the wave is  $v$ . P and Q are two points in the wave a distance  $L$  apart.

What is an expression for the frequency of the wave?

- A  $\frac{v}{2L}$       B  $\frac{v}{L}$       C  $\frac{2v}{L}$       D  $\frac{L}{v}$