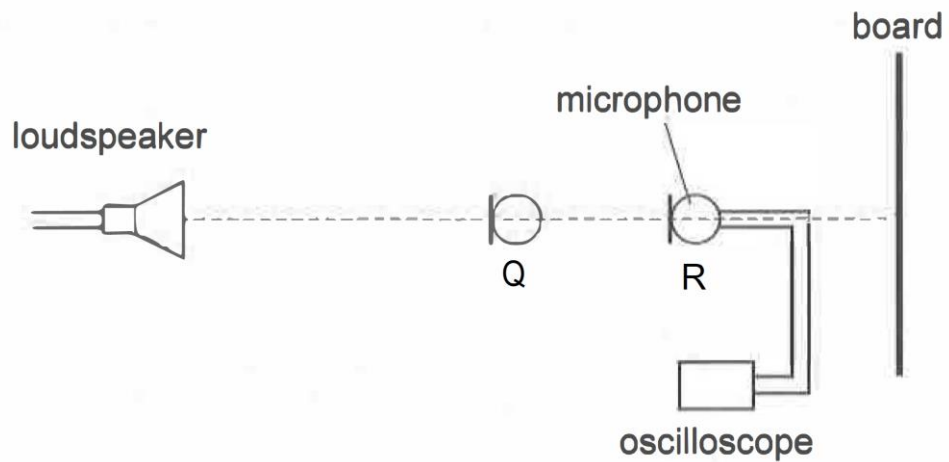
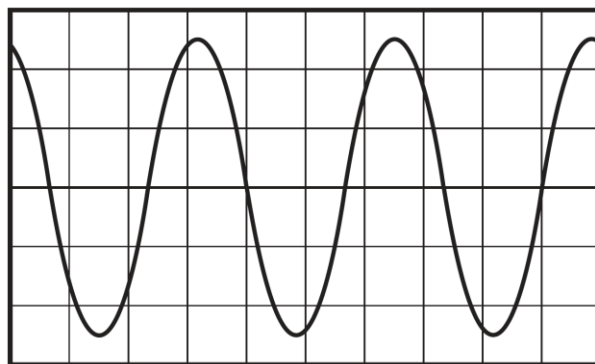


- 18 Stationary sound waves are investigated using the apparatus shown.



Q and R are adjacent positions of the microphone that give maximum amplitude on the oscilloscope, as shown.



oscilloscope screen when microphone is at R

The distance QR is 6.0 cm and the time base of the oscilloscope is $20 \mu\text{s div}^{-1}$. What are the frequency and the wavelength of the sound wave?

	frequency / kHz	wavelength / cm
A	15	6.0
B	15	12
C	20	6.0
D	20	12

