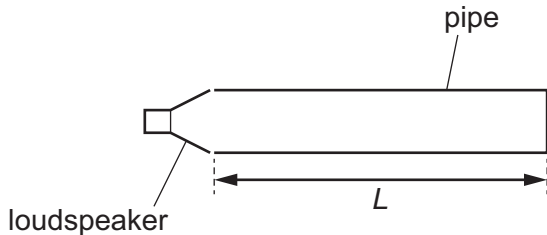


- 26** A pipe of length  $L$  is open at one end and closed at the other end. A loudspeaker is at the open end and emits a sound wave into the pipe.



When a stationary wave is formed, there is an antinode at the open end of the pipe.

Which wavelength of sound could be used to produce a stationary wave?

**A**  $\frac{2L}{3}$

**B**  $L$

**C**  $\frac{4L}{3}$

**D**  $2L$