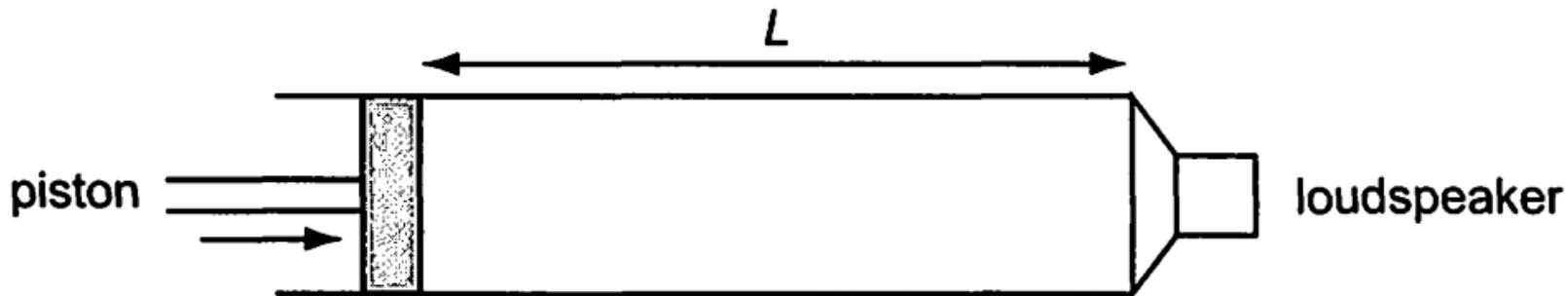


- 18 A tube is fitted with a piston and a loudspeaker is attached at one end. The loudspeaker emits sound of a constant frequency.



The piston is moved slowly to the right and the loudness of the sound peaks for values of  $L$  of 15 cm and 5 cm.

What is the frequency of the sound? (speed of sound =  $330 \text{ ms}^{-1}$ )

- A 1650 Hz
- B 2200 Hz
- C 3300 Hz
- D 6600 Hz