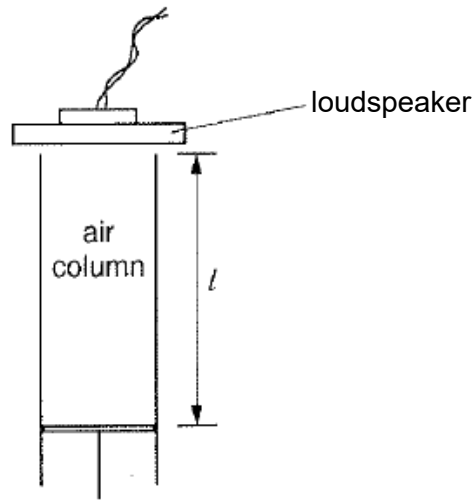


- 1** A sound wave of a constant wavelength is continuously transmitted from a loudspeaker into
5 an air column. The length l of the air column is slowly increased from zero.



When l reaches certain values, the sound heard from the air column increases greatly. l is found to be 15 cm when the sound increases greatly for the third time.

Assume that the end correction is negligible, what is the wavelength of the sound wave?

- A** 7.5 cm **B** 10 cm **C** 12 cm **D** 20 cm