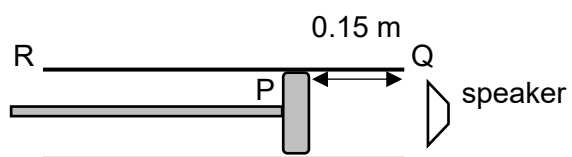


- 16** A sound wave is generated by a speaker placed near the end Q of the tube QR. As the piston P is moved from end Q towards R, a loud sound is first heard when PQ is 0.15 m. The speed of sound is  $330 \text{ m s}^{-1}$ .



What is the frequency of the sound generated by the speaker?

- A** 200 Hz                      **B** 550 Hz                      **C** 1100 Hz                      **D** 2200 Hz