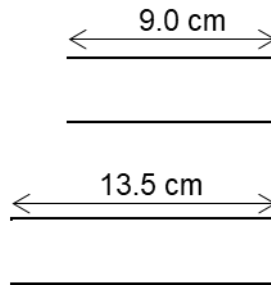


- 18** Two tubes of different length are used for an experiment. The 9.0 cm tube has both ends open while the 13.5 cm tube has one end open and one end closed as shown.



Sound is projected into both tubes. Assuming sound travels at  $330 \text{ m s}^{-1}$ , at which frequency will resonance occur in both tubes?

- A** 5.50 kHz      **B** 7.33 kHz      **C** 7.94 kHz      **D** 11.0 kHz