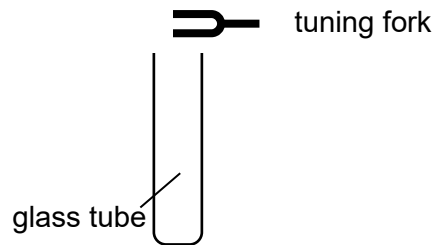


- 19 A vibrating tuning fork is held near the mouth of a glass tube as shown.



Which of the following deductions is **incorrect** if resonance of the air column is observed?

- A There is a pressure antinode at the closed end of the tube.
- B The observed loudness is greater than just with the fork alone.
- C The air molecules in the tube are vibrating at different amplitudes.
- D The fundamental frequency of the air column in the tube must be equal to the frequency of the tuning fork.