345.9300

Incorrect

Question 3

0 / 2 pts

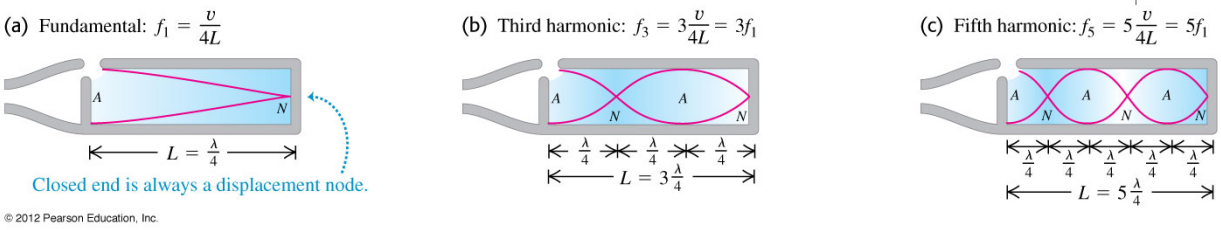
Determine the length of the resonance tube in centimeters for a sound wave of wavelength 0.66 meters, given that L_{corr} is 2 cm, if the fundamental mode is resonating in the tube.

163.0000

Incorrect

Question 4

0 / 2 pts



From the image above, determine the wavelength of the third harmonic in terms of the length L of the tube.

λ = 4L/f

Incorrect

Question 5

0 / 2 pts

After taking your measurements in the lab you find that the speed of sound in air is 337.1 m/s. Calculate the theoretical speed of sound in air in a room at $24^{\circ}C$. Report the percent difference between the measured and theoretical speed of sound in air.