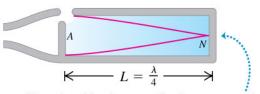
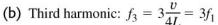
Question 4

(a) Fundamental: $f_1 = \frac{v}{4L}$



Closed end is always a displacement node.

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 $\frac{\lambda}{4} \Rightarrow \frac{\lambda}{4} \Rightarrow \frac{\lambda}$

From the image above, determine the wavelength of the third harmonic in terms of the ler

$$\lambda = 4L/f$$

Question 5

After taking your measurements in the lab you find that the speed of sound in air is 337.1 difference between the measured and theoretical speed of sound in air.

345.9000

Quiz: Sound Waves Quiz 6/2/16, 1:41 PM