

Harmonics 3rd Quarter Wavelength Harmonics

QUIZ

- ~~Harmonics~~
- Sound waves are being created in a tube.
- The length of this tube is 80 cm.
- The speed of sound inside the tube is 330 m/s.

One end of the tube is open and the other is closed.

Draw the first 3 Harmonics in this tube

1.

The drawings don't need to be super beautiful.
I just want you make a solid effort to show
the general shape.

2.

3.

For each of the first 8 harmonics,
identify the wavelength and frequency.
Please use SI units

wavelength(m)

Frequency (Hz)

1

2

3

4

5

6

7

8