

Sonic Flame Tube Worksheet

Data Table

Write down the note or frequency and diagram the corresponding flame waveform.

Note/Frequency (Hz)	Observed Waveform

Discussion Questions

1. What is a standing wave?
2. Based on the data above, what conclusion may be drawn about the relationship between pitch and wavelength?
3. What are nodes? What are antinodes? What do they correspond to in the shape of the flames?
4. Why do only some notes produce a waveform?