



# M14 Labs

Thursday, April 07, 2011  
6:04 PM

VoiceThread

Slide	Notes
<p data-bbox="245 491 391 596">Lab 1.1 Part 1</p>  <p data-bbox="706 709 883 947">Cover the end of a plastic soda bottle with polastic wrap and tap it with your finger. What happens to the flame?</p>	<p data-bbox="997 426 1154 453">Lab 14.1 Part a</p>
 <p data-bbox="647 1178 894 1234">Lab 14.2</p> <p data-bbox="355 1577 938 1671">What does the rice do... when you ... bang a spoon against the pan?</p> <p data-bbox="656 1434 837 1476">Rice on plastic wrap stretched across a bowl.</p>	<p data-bbox="997 1079 1154 1106">Lab 14.1 Part b</p> <p data-bbox="997 1142 1576 1230">Cymatics: just over 2 minutes <a href="http://www.youtube.com/watch?v=AS67HA4YMCs">http://www.youtube.com/watch?v=AS67HA4YMCs</a> PureView version - <a href="http://viewpure.com/AS67HA4YMCs">http://viewpure.com/AS67HA4YMCs</a></p> <p data-bbox="997 1266 1451 1413">A great video to share with this lab idea is ... <a href="http://video.google.com/videoplay?docid=2236988281579535067">http://video.google.com/videoplay?docid=2236988281579535067</a> This video is set to private Next check got a 404 error</p> <p data-bbox="997 1449 1459 1505">These are Lissajous figures <a href="http://en.wikipedia.org/wiki/Lissajous_curve">http://en.wikipedia.org/wiki/Lissajous_curve</a></p>
	<p data-bbox="997 1808 1084 1835">Lab 14.2</p>

## Lab 14.2

Measure the distance between you and a friend off at a distance.

Have the friend hit two rocks together or clap their hand.

The key is that it is a sound that you can see the action that produced the sound.

Time the seeing of the clap to the hearing of the clap.

Use the formula to see if it can come up with something close to what you came up with experimentally.



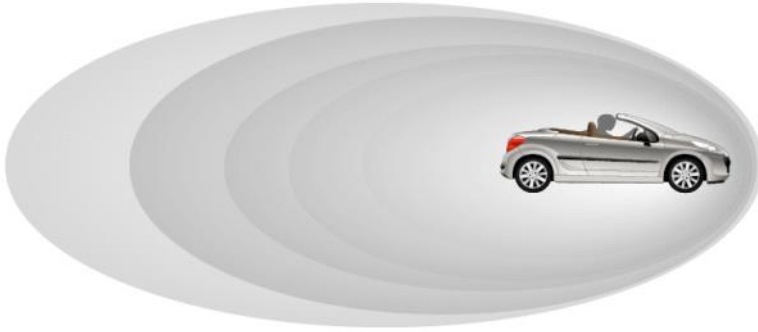
Lab 14.314.5

## Lab 14.3



Lab 14.4 - Doppler Effect

# Lab 14.4 Doppler Effect



# Lab 14.5 Amplitude



Lab 14.5 Amplitude