

# Sound Waves

## Experiments & Activities



**Sound Characteristics**

- The distance between wave crests and troughs that is twice the distance between two crests or troughs.
- It characterizes energy. The amount of time with a pulse that you make enough frequency, amplitude, pitch, surface, velocity.

<p><b>Experiment:</b> Two wine glasses will play the same note when the glasses are partially filled with water.</p> 	<ol style="list-style-type: none"> <li>What note is this playing?</li> <li>What is the volume of sound it produces?</li> <li>What are the notes that sound are playing through?</li> <li>What do you think will happen if you change the amount of the water?</li> </ol>
<p><b>Experiment:</b> Two wine glasses will play the same note when the glasses are partially filled with water.</p> 	<ol style="list-style-type: none"> <li>Do you know what way your sound waves travel?</li> <li>How many rays are in your spectrum of light? How many are in the spectrum of light?</li> <li>What color is the highest note? (lowest?)</li> <li>What color is the lowest note? (highest?)</li> </ol>
<p><b>Experiment:</b> Two wine glasses will play the same note when the glasses are partially filled with water.</p> 	<ol style="list-style-type: none"> <li>How does the amount of water in the glass affect the pitch? Experiment with other glasses and glass shapes.</li> <li>How do you think the glasses will play the same "note"?</li> <li>What do you think?</li> </ol>

# Sound The Hands On Approach To Science

**Sebastian Brünink**



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