**Sound WebQuest Name:**

**Please complete online and print when finished (Green 2 if at school) Due on Thursday**

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|  ***The Task***In this WebQuest you will find out about sound waves and how we measure them.  You will learn about the parts of the human ear, how low and how high we can hear, and some important events in the history of sound.   *Part 1: Sound Waves** Visit the these sites and define the following words in terms of **soundwaves**: **Amplitude, Compression, rarefaction, Frequency, Wavelength, Pitch**
* Sites: [Sound Waves](http://www.fi.edu/fellows/fellow2/apr99/soundvib.html), [Soundry](http://library.thinkquest.org/19537/Physics3.html)

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| Amplitude |  |
| Compression |  |
| Rarefaction |  |
| Frequency |  |
| Wavelength |  |
| Pitch |  |

***Part 2: Do You Hear What I Hear?***Visit the [Sound Frequencies](http://www.school-for-champions.com/senses/hearpitch.htm) website.  Answer the following questions:

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| 1.What range of sounds can the human ear hear? |
| 2. What are three animals that can hear higher pitched sounds than humans? |
| 3. What are three animals that can hear lower pitched sounds than humans? |

*Part 3: Timeline** Visit the [Soundry Timeline](http://library.thinkquest.org/19537/Timeline.html) page to learn about the history of sound.
* Make a timeline of your own (from 1875 through now).  Choose FIVE events from this list that you consider to be the most important.  Mark them on your timeline.

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| History of Sound (Write a short explanation for each event) |

2Here is an online [Quiz](http://faculty.washington.edu/chudler/java/revear.html) to see how much you learned about the ear.* + Try the quiz on the [Sound Frequencies](http://www.school-for-champions.com/senses/hearpitch.htm) page.
	+ How did you do ? Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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