

MAKER JOURNAL

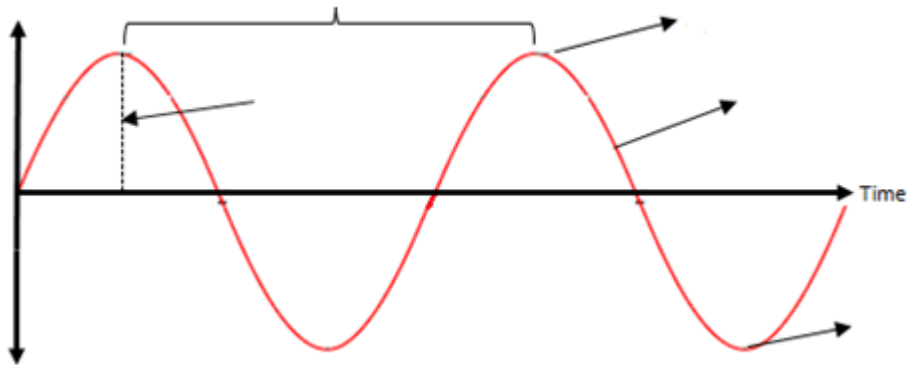
Name: _____

Date: _____

Project/Unit: Design a Noise Cancelling Device

Lesson: 1

Review the basic properties of matter waves. Label the parts of the wave pictured below indicated by the arrows. Use the words in the box below the picture.



Amplitude
Wavelength
Crest
Trough
Wave front

Search for websites and videos on NIHL and properties of sound. Be sure to consider the reliability of the information on each website. Use more paper if necessary.

Website URL	Important info	This site is reliable because
www.noise.org	Noise can be bad for you because ...	The site is not covered with adds, has lots of info



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Use what you have learned about sound intensity and develop a hypothesis for monitoring noise levels in the community.

Developing a Hypothesis

Remember that hypotheses are statements, not questions. They are based on preliminary observations or data.