Assignment Sheet 7th Grade November 16, 2016

Sound Energy

Today I am describing how sound energy is transferred by wavelike disturbances that spread away from the source through a medium.

\_\_\_\_\_\_Record your responses in Google Docs. <http://content.teachengineering.org/content/cub_/activities/cub_energy2/cub_energy2_lesson05_activity2_worksheet.pdf>

\_\_\_\_\_\_Virtual Sound Record your responses in your notebook

Lab <http://www.iknowthat.com/ScienceIllustrations/sound/science_desk.swf>

\_\_\_\_\_\_Notes: Sound Energy

\_\_\_\_\_\_It’s in the Cards Vocabulary **sound, medium, vacuum, longitudal wave and pitch** (record the table below in your notebook)/ an analogy is a comparison of two things (based on something they have in common)

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| --- | --- | --- | --- | --- |
| Term | Definition | Your definition | Picture | Analogy  The \_\_\_\_would be a \_\_\_\_\_\_because  Ex. **The DNA would be the queen because it contains instructions for making proteins and enzymes** |
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\_\_\_\_\_\_Virtual Lab: <https://phet.colorado.edu/en/simulation/sound>

Summarize what you learned below

\_\_\_\_\_\_\_\_\_Lab: Sound through solid, liquid, and gases (Answer post-lab questions in your notebook)

<https://wow.osu.edu/experiments/Sound/Travel%20of%20Sound%20Through%20Various%20Phases%20of%20Matter%20%20>

\_\_\_\_\_\_Review Games Sound <http://reviewgamezone.com/game.php?id=195>

Summarize what you learned below

\_\_\_\_\_\_\_Make speaker for your SMART PHONE <https://www.youtube.com/results?search_query=how+to+make+speakers+construction+paper+and+cups>

Explain how your speakers are able to allow sound to travel below

\_\_\_\_\_Design magnet speakers. Explain how this design allowed sound to travel. <https://www.youtube.com/watch?v=MA1n16iyaeg>

Or

<https://www.teachengineering.org/activities/view/usc_speakers_activity1>

Explain what you learned about sound below (WATADA write about talk about draw about)