Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DO YOU HEAR WHAT I HEAR?**

**HOW WE HEAR**

Watch the following video: <http://tinyurl.com/nxcu3tb>

1. Check your ear diagram to be sure you have it labeled correctly!
2. Give a two sentence summary of how hearing works:
3. What lobe of the brain does the video refer to that processes the auditory information received by the ears?

**HEARING THEORIES**

Read the following article: <https://explorable.com/theories-of-hearing>

1. Explain amplitude in relation to what we hear:
2. Explain pitch in relation to what we hear:
3. How does Place Theory explain how we hear sound?

What is the problem with this theory?

1. How does the Frequency theory explain how we hear sound?

What is the problem with this theory:

1. Which of the two theories are correct? Why?

**HEARING LOSS**

Read the following article: <http://tinyurl.com/ycc8lra>

1. Summarize conductive hearing loss:
2. Give two possible causes for this kind of hearing loss.
3. Summarize sensorineural hearing loss:
4. Give two possible causes for this kind of hearing loss.
5. Describe possible treatments for hearing loss.

BONUS: Based on what you read in the article, what type of hearing loss would be caused by ear buds?

**AN UNFAIR SPELLING TEST**

Listen and follow the directions (make sure you’re logged into Google!): <http://tinyurl.com/jpjls74>

|  |  |  |
| --- | --- | --- |
| Column A: high frequency hearing loss | Column B: softer sound/normal | Column C: with hearing aid |
|  |  |  |

What other kinds of challenges do you think students with hearing loss face in the school setting?

Ready for more demos?? Try these…

<http://tonometric.com/adaptivepitch/>

<http://www.freemosquitoringtones.org/hearing_test/>