Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_\_\_\_  
 **Sound Vibration Station 3: What Makes Your Ears Ring**

**Pre-lab Question**

1. What effects can very loud music have on your hearing?

**Task:**

A. Watch Video #1 “What Makes Your Ears Ring” (found on my blog) and answer the following questions.

[https://drive.google.com/file/d/0B7lVLuFpIHGJVUY5dUFPNzJZM0E/view](https://drive.google.com/file/d/0B7lVLuFpIHGJVUY5dUFPNzJZM0E/view 1)

[1](https://drive.google.com/file/d/0B7lVLuFpIHGJVUY5dUFPNzJZM0E/view 1). What is the scientific word for ringing in the ears?

2. What causes ringing in the ears?

3. Sound waves maker your ear drum \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. How much do the hairs in your ear move when there is a loud noise?

5. What do the broken hairs in your ears cause?

C. Read and annotate the article “The Middle Ear: Good Vibration”. Raise your hand and Ms. Murphy will give you the article.

D. Create an informational flier that includes a labeled, detailed, colored picture. Three important details about your topic and one important warning related to your topic.

Topics:

Yellow and blue: How sound travels.

Purple and green: The parts of the ear

Orange and red: Does loud music affect your ears?