

Name _____

Date _____

Unit F Physical Science—Sound Energy

Chapter 13-04 Sound Waves F48-53 and

Chapter 13-05 Pitch and Loudness F54-F63 and

Chapter 13-06 Reflection and Absorption F64-F75

1. Watch the video streaming video called *Physical Science: Sound*. As you watch the movie, listen for 9 new vocabulary words about sound. Write the new vocabulary in the following boxes. You must find 9 new words (10 points).

1.	2.	3.
4.	5.	6.
7.	8.	9.

2. Read the assigned chapters about sound in your science books (pages given above). Write a definition for the vocabulary words (10 points).

3. Go to www.brainpop.com and watch the Science Video called *Sound*. Take the quiz and send me the results. (sbourdu@summit-academy.com)

4. Use Garage Band to show examples of these sound vocabulary words: vibration, compression, rarefaction, pitch, frequency, hertz, volume, decibel, echo, overtone, resonance, and sound wave, Work with a partner if you wish. You will both earn points for the end product. Each partner in the team will let me know if they feel that everyone contributed equally to the project. You will receive 10 points for each word you correctly identify and explain (100 points).

5. Conduct the experiment on back of this page. Use a different partner from the one with whom you completed your Garage Band project (20 points).