Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_

Purple **Sound Vibration Station 6: Pitch and Frequency**

**Part 1:** You will need a dictionary.

Complete the following vocabulary table. **When looking up the words be sure to find the definitions in relation to sound.** (You may cross off and skip two words)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Word | Definition | Restate | Write the word in a sentence | Labeled, colored picture |
| Vibration |  |  |  |  |
| Sound wave |  |  |  |  |
| Amplitude |  |  |  |  |
| Wavelength |  |  |  |  |
| Crest |  |  |  |  |
| Trough |  |  |  |  |
| Frequency (relation to sound) |  |  |  |  |
| pitch |  |  |  |  |
| Medium (in relation to sound) |  |  |  |  |
| Digital signal |  |  |  |  |
| Analog signal |  |  |  |  |

**Extra Credit:** Draw a colored and labeled picture including four of the words interacting with one another.