**Sound Vocabulary**

**Directions**: Cut apart the vocabulary cards and glue together. Use as flash cards to prepare for the test

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| **Sound** | A form of energy made and transmitted by vibrating matter |
| **Sound Wave** | A wave that transfers sound through matter; alternating areas of high and low pressure, called compression waves |
| **Echo** | A specific reflected sound |
| **Wavelength** | The distance from the top of one wave to the top of the next; the distance between two compressions or rarefactions |
| **Frequency** | The number of vibrations a sound source makes in a given amount of time. |
| **Pitch** | The highness or lowness of a sound as determined by its frequency |
| **Amplitude** | A measure that relates to the amount of energy in a sound wave is its \_\_\_\_\_\_\_\_\_. |
| **Volume** | The loudness or softness of a sound |
| **Trough (pronounced troff)** | The bottom of a wave |
| **Medium** | A substance through which a force may act or an effect be produced (Example: air is a medium of sound) |
| **Crest/Peak** | The top of a wave |
| **Wave** | To move or cause to move back and forth; any energy as light or sound, that exists in the form of pulses or alternations (changes) of one kind or another |
| **Vibration** | A back and forth movement of an object |
| **Rarefaction** | Places where molecules of air are not squeezed and are spread out |
| **Sonar** | A method for detecting and locating objects submerged in water by echolocation |
| **Vacuum** | A space with no matter |
| **Transmit** | To send or forward |
| **Ultrasound** | A sound that is above 20,000 hertz |
| **Infrasound** | Any sound that is below 20 hertz |
| **Amplify** | To increase the volume (sound) |