

**SOL5.2**

Fill in the blank:

\_\_\_\_\_ is a form of \_\_\_\_\_. It is made when matter \_\_\_\_\_ . Sound waves move \_\_\_\_\_ and \_\_\_\_\_.  
 Water waves move this way, too, but also moves \_\_\_\_\_ and \_\_\_\_\_. The measurement of these waves is called a \_\_\_\_\_ .

*crest*  
*wavelength*  
*back*  
*sound*  
*forth*  
*up*  
*energy*  
*down*  
*vibrates*

**Day 1****SOL5.2** Match the term to its definition:

- |                   |   |
|-------------------|---|
| _____ vibration   | A. How high or low a sound is.                                |
| _____ compression | B. The result of molecules being pressed together.            |
| _____ wavelength  | C. A back and forth movement of an object.                    |
| _____ rarefaction | D. The number of wavelengths in a given amount of time.       |
| _____ pitch       | E. Places where molecules are not pressed together.           |
| _____ frequency   | F. The distance between two compressions or two rarefactions. |

**Day 2****SOL5.2**

A unit used to measure the loudness of sound is a \_\_\_\_\_ .

Give an example:

Very Soft SoundVery Loud SoundA Sound In Between**Day 3****SOL5.2**

Explain why sound does not travel in a vacuum.

Give an example of where you would find a vacuum:

**Day 4****SOL5.2**

Draw a model of a sound wave. Label these parts: compression, rarefaction, wavelength

Another name for a compression wave is \_\_\_\_\_ .

**Day 5**