

Sound Energy Study Guide

Vocabulary to know:

vibrate pitch volume echo reflection absorption sound

Write each vocabulary word on the line in front of its definition. Spell well!

- _____ sound that is reflected
- _____ how loud or soft a sound is
- _____ when something (such as sound) bounces off an object
- _____ a form of energy
- _____ how high or low a sound is
- _____ to move quickly back and forth
- _____ when something (such as sound) is taken in by an object

Sound can be made one of four ways, by *plucking*, *stroking*, *striking*, or *blowing*. Write the correct word to describe how each of these instruments makes sound.

Instrument	How it Makes Sound
violin	
flute	
harp	
drum	

Some surfaces and materials *reflect* sound, while other surfaces and materials *absorb* sound. Write *reflect* or *absorb* in front of each phrase to tell how it will affect sound.
*on the test, other materials may be given. Be sure you understand what types of surfaces and materials reflect & absorb sound.

- _____ a large, soft pillow
- _____ a wide, flat wall
- _____ a tall canyon
- _____ a fluffy quilt

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Use the words from the word list to complete each statement. Some words may be used more than once.

Word List: liquids waves solids large gases small

1. Sound travels through _____, _____, and _____.
2. Sound travels as _____.
3. _____ objects make lower sounds than _____ objects.
4. Sound travels more easily through _____ than it does through _____.

Use the chart to answer these questions.

1. List two sounds that are at a “safe” volume, and will not cause damage to your hearing if you listen to them 8 hours a day or less.

2. List one sound that is at an “unsafe” volume, and may cause damage to your hearing.

