



# Good Vibrations

How much do you know about sounds and how we hear them? Play this game with friends or family to find out!



The shortest string on a guitar will the...

- a) highest...
  - b) lowest...
- sound.

highest

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Do sounds get **louder** or **quieter** as you move away from the sound source?

quieter

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What is vibration?

A very fast movement back and forth.

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What causes a sound?

Vibrations

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Which part of our body do we hear with?

Ears

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The longer the bar on a xylophone, the \_\_\_\_\_ the sound will be.

Lower

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What is it called when you use materials to absorb sound to make a room or space quieter?

Soundproofing

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Does sound travel fastest through a solid, liquid, or gas?

Solid

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Hitting a drum harder will produce a...

- a) louder...
- b) quieter... sound.

louder

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Which part of our body interprets the electrical signals from the ear, so that we understand the sounds we hear?

The brain

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The smaller the drum, the \_\_\_\_\_ the sound.

higher

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True or false:  
sounds cannot travel in space.

True

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Pitch is a measure of how \_\_\_\_\_ or \_\_\_\_\_ a sound is.

high or low

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Why do the line crew working on noisy airport runways wear ear defenders?

To protect their ears from the loud sounds.

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In a wind instrument, what vibrates to create the sound?

The air inside the instrument.

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How can you make a percussion instrument make a quiet sound?

Hit it gently.

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