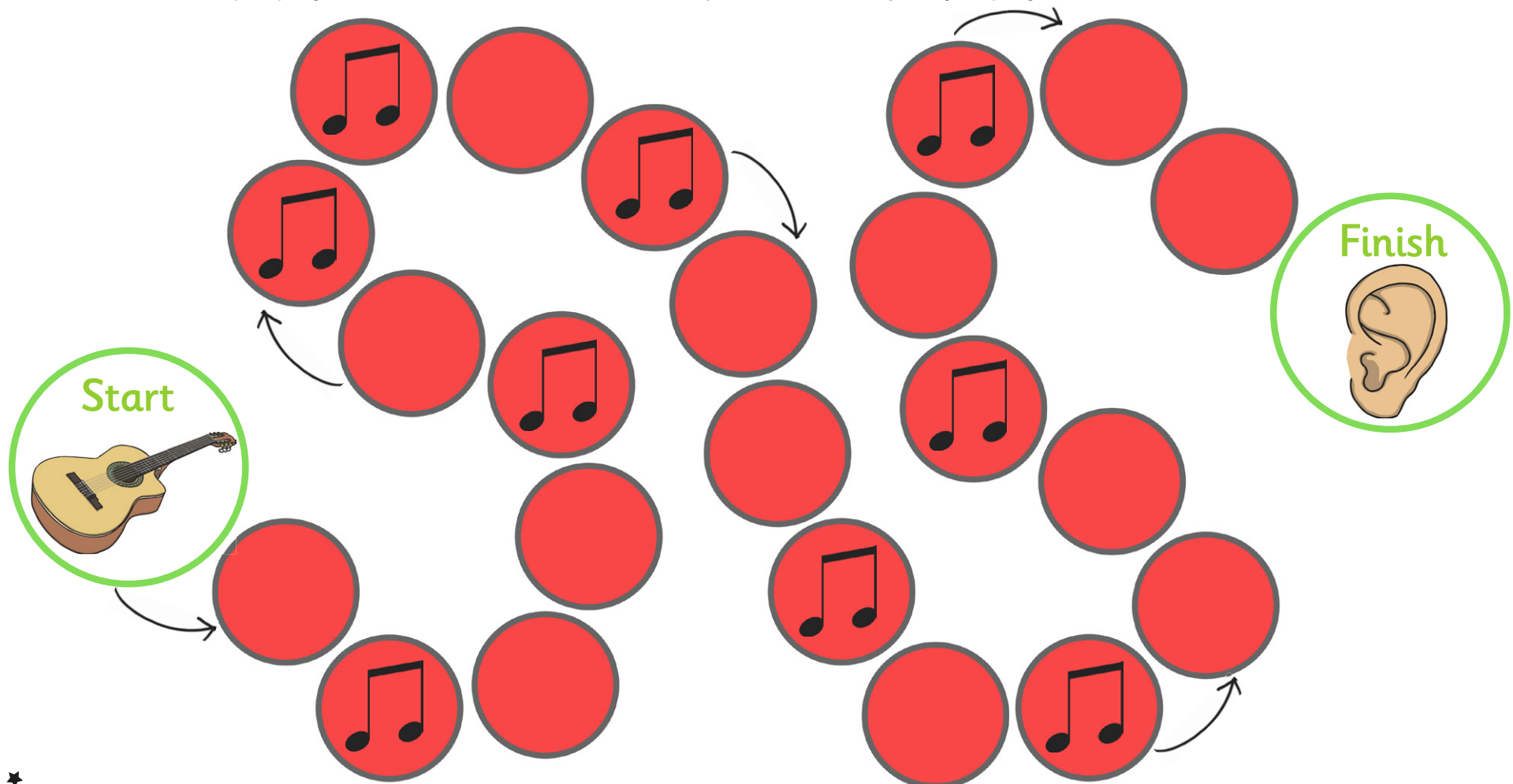


Good Vibrations

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

The aim of the game is to travel from the guitar to the ear, moving from particle to particle as you travel. If you land on a musical symbol, another player has to take a question card and ask you the question. If you answer correctly, you can choose to move yourself one space ahead or move another player one space back. The first player to reach the ear is the winner!

You will need one counter per player and a 6-sided die. Cut out the question cards before you play



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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 cause 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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