

Y4 End of Topic Sound Test

1. Carly is listening to James playing his guitar. He plucks a string. What happens to the guitar string when it makes a sound?



2. Carly walks away from James and leaves the room. What happens to the loudness of the sound Carly hears as she goes further away from James?

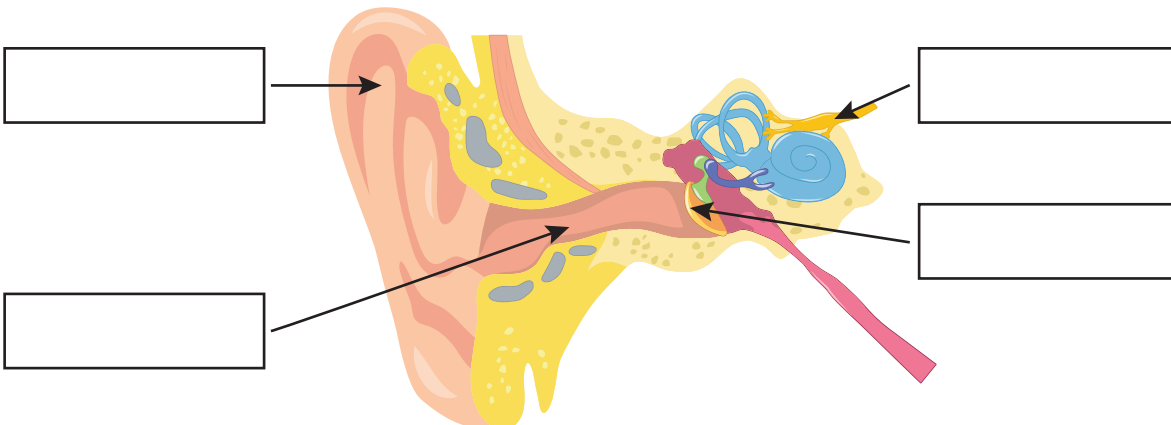
3. Carly shuts the door. She can still hear James playing his guitar in the next room. One material the sound travels through is air. Name ONE other material the sound must travel through for Julia to hear it.

4. Does sound travel faster through solids, liquids or gases? Circle one.

Solid	Liquid	Gas
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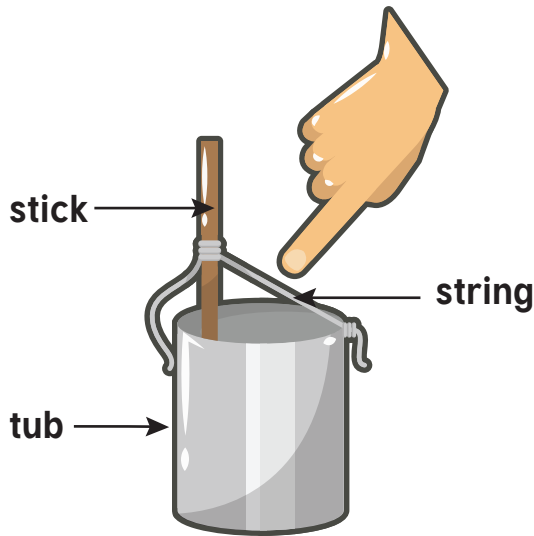
Explain your answer.

5. Label the parts of the ear.



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6. Sam makes a string instrument. He ties the string tightly. He plucks the string. The instrument makes a sound.



Sam plucks the string again. It sounds louder.

How did Sam pluck the string with his finger to make it sound louder?

7. Clare looks carefully at the string as Sam plucks it. When Clare looks carefully at the string, what can she see that tells her the string is making the sound?

8. Polly has a straw. She cuts one end of the straw. She blows into the cut end of the straw. It makes a sound. The sound is caused by vibrations. Name TWO things that vibrate to cause this sound.

1. _____

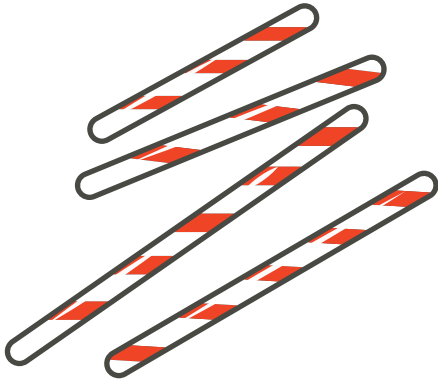
2. _____



9. Polly thinks that changing the length of the straw may change how high or low the note is. What is the scientific name for how high or low a note is?

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10. Polly cuts four identical straws into different lengths.



Her friends blow gently into the straws. The note from each straw is different. Some notes are high and some are low.

Describe how the length of a straw affects how high or low the note is.
