



Read each passage and decide: did the author write to Persuade, Inform, or Entertain?  
Answer the questions in complete sentences.

## The Science of Sound



Sound is a type of energy that travels through air, water, or even solid objects. It moves in waves, much like ripples spreading out in a pond.

These sound waves carry energy from where a sound is made to your ears.

When something vibrates, it creates sound waves. For example, plucking a guitar string makes it move quickly. This movement pushes the air, making air molecules vibrate.

These vibrations travel outwards as waves. In the air, sound travels about 343 meters per second!

Our ears catch these waves. The outer ear collects sound waves and guides them inside. They make your eardrum vibrate. These vibrations are sent to tiny bones and nerves, which send signals to your brain. Your brain then understands these signals as the sounds you hear, like a bird singing .



### COMPREHENSION QUESTIONS

(1) What is the MAIN purpose of this passage?

- (A) To tell a funny story about a guitar.
- (B) To persuade readers to listen to more music.
- (C) To inform readers about how sound travels and how we hear it.



**D** To describe different types of musical instruments.

**(2) The author wrote this passage mainly to \_\_\_\_\_ the reader.**

*— continue writing on the lines below*

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**(3) Which detail from the passage BEST shows the author's purpose?**

**A** Sound is a type of energy that travels through air, water, or even solid objects.

**B** plucking a guitar string makes it move quickly.

**C** Your brain then understands these signals as the sounds you hear.

**D** much like ripples spreading out in a pond.

**(4) How do you know the author's purpose? Use TWO details from the passage to support your answer.**

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**(5) If you were writing about the same topic, which purpose would YOU choose — to persuade, inform, or entertain? Explain why.**

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