



MY BODY Inside and Out!



My Amazing Sense of Hearing



Ruth Owen

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My Amazing Sense of Hearing



by Ruth Owen

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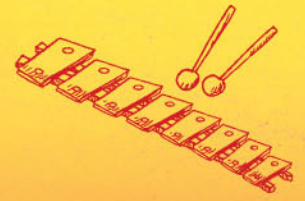
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Words shown in **bold** in the text are explained in the glossary.

Sounds All Around



When you listen to music, your **sense** of hearing is helping you have fun.

When you hear the alarm go off during a school fire drill, your hearing is keeping you safe.

Every day, you hear thousands of different sounds.

It's not just your ears doing the hearing, though.

A whole team of body parts is working together to collect and **process** these sounds.

What exactly are sounds, though, and how are you able to hear them?





Your body has five senses. These are seeing, hearing, smelling, tasting, and touching. Your senses help keep you safe. They also help you enjoy the world around you.



How Are Sounds Made?



If you strum the strings of a guitar, you will hear twangy sounds.

How are those sounds being made?

Strumming the guitar strings makes them vibrate, or move very fast.

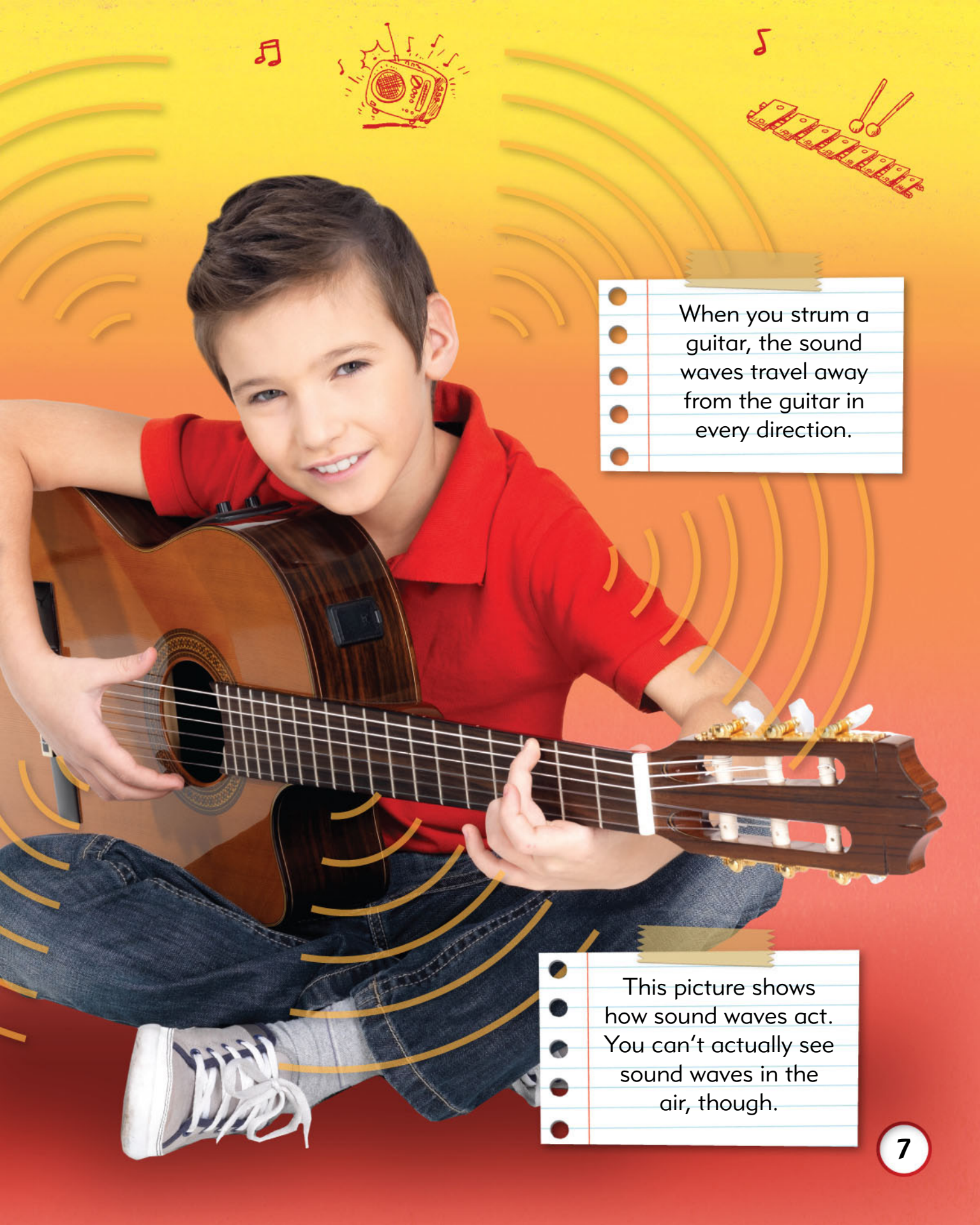
As they move, they create **vibrations** in the air.

These vibrations in the air are called **sound waves**.

Your ears collect these waves and, in less than a second, turn them into sounds!



Sound waves travel very fast. In fact, they can travel one mile (1.6 km) in just five seconds!

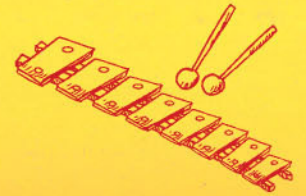


When you strum a guitar, the sound waves travel away from the guitar in every direction.

This picture shows how sound waves act. You can't actually see sound waves in the air, though.



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Danbury, CT: Children's Press (2009).

Stewart, Melissa.

How Does the Ear Hear? (Good Question!). New York: Sterling Publishing (2014).

Learn More Online

To learn more about your sense of hearing, go to
www.rubytuesdaybooks.com/mybodyhearing

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MY BODY Inside and Out!



My Amazing Sense of Hearing

When someone strums a guitar, you hear music. When you chat with your friends, you hear their voices and your own. All day, every day, your sense of hearing is hard at work. Find out how your ears, nerve cells, and brain work as a team to help you hear the thousands of different sounds in the world around you.

Titles in this series

- My Amazing Sense of Hearing**
- My Amazing Sense of Sight**
- My Amazing Sense of Smell**
- My Amazing Sense of Taste**
- My Amazing Sense of Touch**
- What Happens When I Eat?**
- What Happens When I Grow?**
- What Happens When I Move?**
- What Happens When I Sleep?**

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