



Sense of Hearing

My Senses Are Amazing

You have been learning about the five senses. What sense did you learn about yesterday?

My Senses Are Amazing

*Who can tell me something they
learned about eyes yesterday?*

My Senses Are Amazing

*Today we are going to talk about our sense
of hearing.*

*Close your eyes for a moment, be very
quiet, and listen to the sounds around you.*

The Sense of Hearing



Many animals have ears that help them hear, even though they look different from our ears.

The Sense of Hearing

Your ears are always taking in sounds that come from all around, whether you are awake or asleep, talking or listening, walking or swimming. Even if you cover your ears, you will still be able to hear sound. Try it!

Say things to the class while ears are covered.

The Sense of Hearing

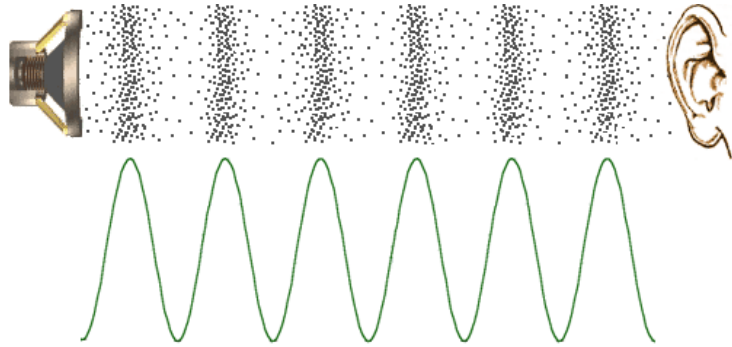
It's not too hard to close your eyes and make it so you can't see anything, but you can't turn your ears off--they hear sound all the time. Listen to find out how the sounds you hear get around or through objects and into your ears.

The Sense of Hearing



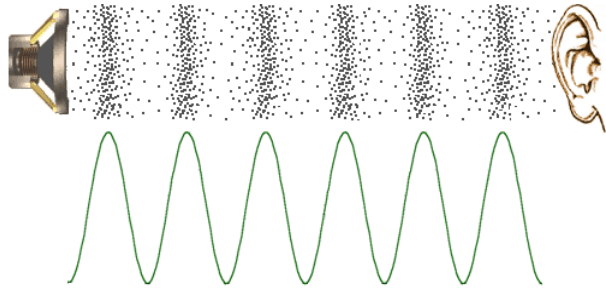
Sound travels through the air in sound waves. Sound waves are bands or waves, of noise. Like waves in the ocean, sound waves move up and down as they move across a space. Just like ocean waves sound waves make a noise as they move.

The Sense of Hearing



But unlike ocean waves, sound waves are invisible; you can't see them. Sound waves are all around you, zooming through the air and bouncing off or traveling through objects.

The Sense of Hearing



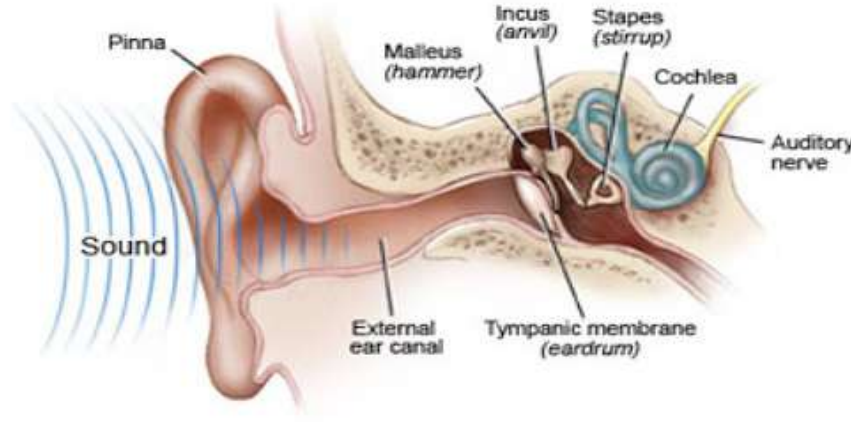
Sometimes you can hear someone's voice out in the hallway even though the door is closed. That is because sound waves can actually travel right through the door or wall, just like the sound waves traveled through your hands to your ears when I was talking to you. But the sounds are muffled, or quieted, because the waves lose strength when they pass through something.

The Sense of Hearing



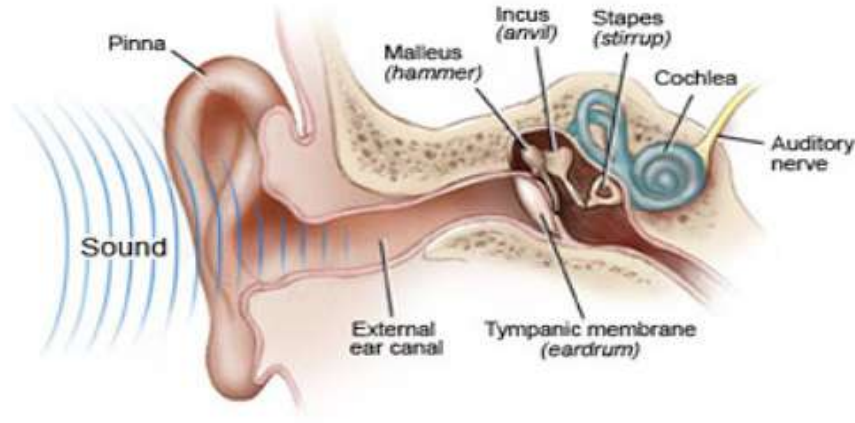
Sound waves do not travel through everything. Sometimes, they bounce off things, especially things like mountains or big buildings. Have you ever heard an echo? An echo is a sound that you hear again when sound waves bounce back off something.

The Sense of Hearing



When sound waves travel into your ear, they bounce off your eardrums. Your eardrums are inside your ears and like real drums, when they get bumped by sound waves, they vibrate back and forth. When these vibrations travel inside your ear to your brain, your brain can figure out what sound made the vibrations.

The Sense of Hearing



Your brain can also help you describe the sound by figuring out if it's loud or quiet and if it's high or low.

The Sense of Hearing



One way to describe a sound is to tell how loud or quiet it is. This is called the volume. Another way to describe a quiet sound is to say it is a soft sound. A whisper is a soft sound. Think back to the last time you heard a fire alarm. Was it loud or soft?

The Sense of Hearing



A fire alarm is supposed to be really loud so people cannot ignore it. The loud volume of the fire alarm makes you want to run away from it.

The Sense of Hearing



If you hear a loud noise, you might automatically cover your ears. Your brain tells you to cover your ears in order to keep your eardrums safe from sound waves that might damage them. Sometimes people use earplugs or earmuffs to keep the really loud, damaging noises out of their ears. So, protect your ears from loud noises, and unless a parent or doctor is helping you, never put anything in your ears.

The Five Senses

Comprehension Questions:

Inferential

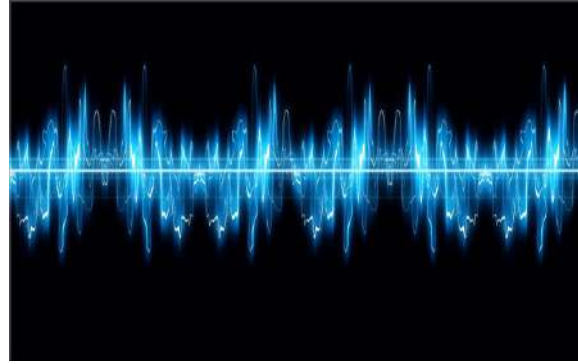


What is the main topic, or main idea, of today's lesson?

The Five Senses

Comprehension Questions:

Literal



How does sound travel through the air?

The Five Senses

Comprehension Questions:

Literal



Can you see sound waves?

The Five Senses

Comprehension Questions:

Literal



Can you stop the sound waves completely from coming into your ears?

The Five Senses

Comprehension Questions:

Literal



What should you do to keep your ears safe from harm?

The Five Senses

Comprehension Questions:

Inferential:

What is happening when a sound wave “echoes”?

The Five Senses

Comprehension Questions:

Inferential:

When we talk about the volume of a sound, what are we talking about? What sounds can you think of that have a loud volume? Soft?

Think. Pair. Share.



I'm going to ask you a question. I will give you a minute to think about the question, and then I will ask you to turn to your neighbor and discuss the question. Finally I will call on several of you to share what you discussed with your partner.

Think. Pair. Share.



Evaluative:

How does the sense of hearing help us learn about the world around us?

The Five Senses

You heard, “**Sound waves are invisible.**”

Say the word **invisible** with me.

The Five Senses

Invisible means you can't see it.

You can't see air, because air is invisible.

The Five Senses

What are some other things that are invisible?

Use the word *invisible* when you tell about it.

“A _____ is invisible.”

The Five Senses

What's the word we have been
talking about?

The Five Senses

I am going to name some items. If I say something that you can see, thumbs up.
If I say something that you cannot see,
thumbs down.

The Five Senses



Thumbs Up = Yes

Thumbs Down = No



a ball

The Five Senses



The Five Senses



Thumbs Up = Yes

Thumbs Down = No



a table

The Five Senses



The Five Senses



Thumbs Up = Yes

Thumbs Down = No



Sound waves

The Five Senses



The Five Senses



Thumbs Up = Yes

Thumbs Down = No



a car

The Five Senses



The Five Senses



Thumbs Up = Yes

Thumbs Down = No



air

The Five Senses





*Listen to the song,
Hush, Little Baby,
for things that
make a sound.*

Guess the Sound by using your sense of hearing



?

What makes
this sound?