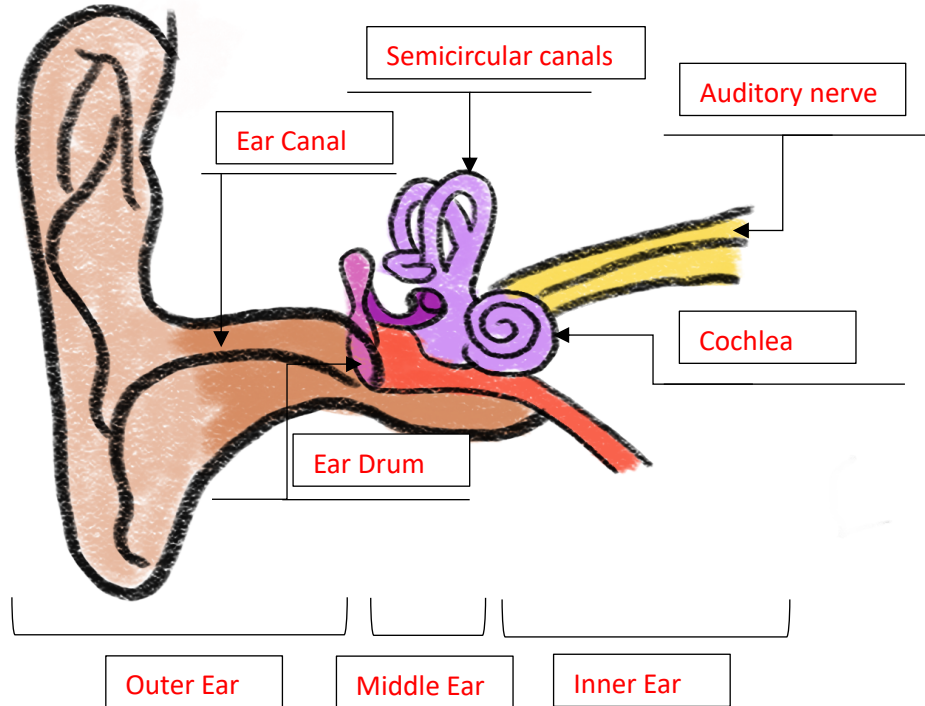


For teachers

Activity Overview

In this activity, students will be given a worksheet that will help them to identify the structures of the ear and understand the differences between the procedure in which a sound wave travels through the ear via air and bone.



4

Vibrations hit the snail-shaped cochlea which is lined with sensory receptors called hair cells.

6

Electrical signals are sent via the auditory nerve to the brain, where they are interpreted

1

Sound waves enter the outer ear and travel to the middle ear

3

Three tiny bones in the middle ear amplify those vibrations and send them to the inner ear

2

Sound waves reach the eardrum and cause it to vibrate

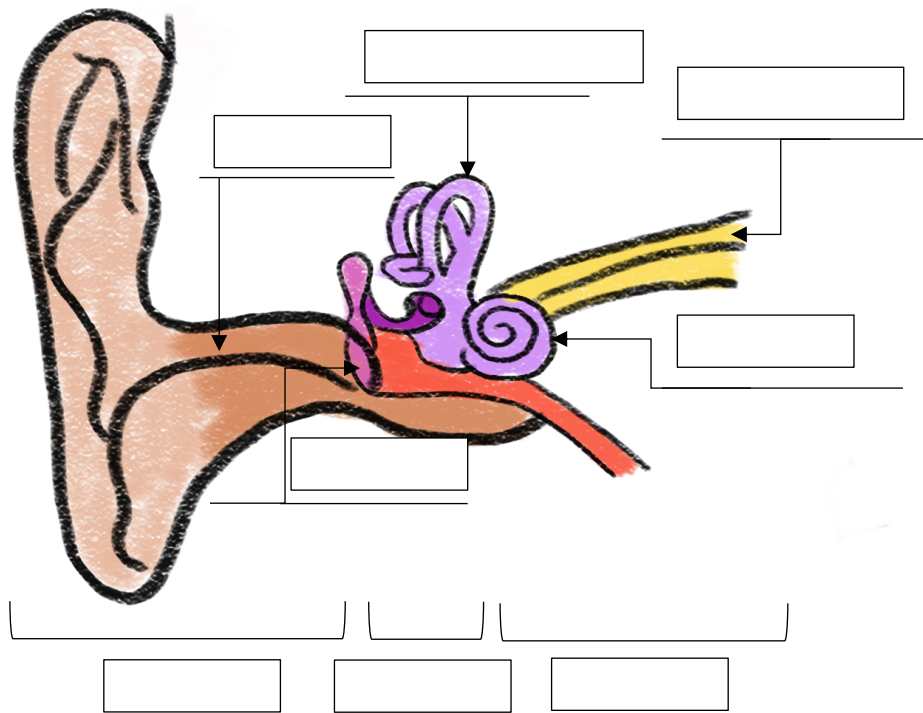
5

Hair cells move and vibrate in response to sound, triggering the release of neurotransmitters

For students

Activity Overview

In this activity, students will be given a worksheet that will help them to identify the structures of the ear and understand the differences between the procedure in which a sound wave travels through the ear via air and bone.



_____ Vibrations hit the snail-shaped cochlea which is lined with sensory receptors called hair cells.

_____ Electrical signals are sent via the auditory nerve to the brain, where they are interpreted

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_____ Three tiny bones in the middle ear amplify those vibrations and send them to the inner ear

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