What is the structure and function?
What is the structure and function?

The auricle functions to direct sound waves into the external auditory canal.
What is the structure and function?
What is the structure and function?

The external auditory canal functions to funnel sound waves to the tympanic membrane.
What is the structure and function?
What is the structure and function?

The Tympanic Membrane functions to convert sound waves into vibrations.
What is the structure and function?
What is the structure and function?

The Auditory (Eustachian) Tube functions equalize pressure within the ear.
What is the structure and function?
What is the structure and function?

The Vestibulocochlear Nerve (Cranial Nerve VIII) functions to send sound information to the brain.
What is the structure and function?
What is the structure and function?

The cochlea functions to translate sound wave information into electrical signals that will be sent to the brain.
What is the structure and function?

Stapes
What is the structure and function?

The stapes is one of the three ear ossicles. The ossicles function to amplify the sound signals received from the tympanic membrane.
What is the structure and function?
What is the structure and function?

The Incus is one of the three ear ossicles. The ossicles function to amplify the sound signals received from the tympanic membrane.
What is the structure and function?
What is the structure and function?

The malleus is one of the three ear ossicles. The ossicles function to amplify the sound signals received from the tympanic membrane.
What is the structure and function?
What is the structure and function?

The oval window functions to amplify the sound signals received from the tympanic membrane.
What is the structure and function?
What is the structure and function?

The vestibule functions to sense changes in acceleration.
What is the structure and function?
What is the structure and function?

Semicircular Canals

The Semicircular Canals function to sense rotational motion for balance.
What is the structure and function?
What is the structure and function?

The Tympanic Membrane translates soundwaves into vibrations.
What is the structure and function?
What is the structure and function?

Semicircular Canals

Function = Senses rotational motion
What is the structure and function?
What is the structure and function?

The Tympanic Membrane translates soundwaves into vibrations.
What is the structure and function?
What is the structure and function?

Malleus

Function = Amplify sound waves
What is the structure and function?
Vestibule

Functions to sense acceleration

What is the structure and function?
What is the structure and function?
Function = Sends sound information to brain

Vestibulocochlear Nerve (Cranial Nerve VIII)

What is the structure and function?
What is the structure and function?
Function = Translates sound information into electrical impulses that will travel to the brain.

What is the structure and function?

Cochlea
Identify the Structure.
Identify the Structure.

Semicircular Canals
Identify the Structure.
Identify the Structure.

Vestibule
Identify the Structure.
Identify the Structure.

Cochlea
Identify the Structure.
Identify the Structure.

Vestibulocochlear Nerve (Cranial Nerve VIII)
Identify the Structure.
Identify the Structure.

Stapes
Cochlea

Semicircular Canals

Vestibulocochlear Nerve (Cranial Nerve VIII)

Vestibule

Cochlea

www.ScientistCindy.com
Tympanic Membrane
Malleus
Incus
Tympanic Membrane
Identify the Structure.
Identify the Structure.

Malleus
Identify the Structure.
Identify the Structure.

Incus
Identify the Structure.
Identify the Structure.

Tympanic Membrane
Identify the bone.
Identify the bone.

**Malleus**

The auditory ossicles (the malleus, incus and stapes) function to amplify the signal of the soundwaves from the air to the liquid of the inner ear.
Identify the bone.
Identify the bone.

The auditory ossicles (the malleus, incus and stapes) function to amplify the signal of the soundwaves from the air to the liquid of the inner ear.
Identify the bone.
Identify the bone.

The auditory ossicles (the malleus, incus and stapes) function to amplify the signal of the soundwaves from the air to the liquid of the inner ear.
IDENTIFY THE STRUCTURE.

Spiral Organ of Corti
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE. Hair Cells
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Basilar Membrane
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE. Cochlear Duct
IDENTIFY THE STRUCTURE

Hair Cells
IDENTIFY THE STRUCTURE
IDENTIFY THE STRUCTURE

Basilar Membrane
IDENTIFY THE STRUCTURE

Cochlear Duct
Identify the Structure

- Hair cells
- Cochlear duct
- Basilar membrane
Identify the Structure

Basilar Membrane
Identify the Structure

- Hair cells
- Cochlear duct
- Basilar membrane
Identify the Structure

Cochlear Duct

Basilar membrane
Identify the Structure

- Hair cells
- Cochlear duct
- Basilar membrane
Identify the Structure

Hair Cells

Cochlear hair cells

Basilar membrane
Identify the Structure
Identify the Structure

Basilar Membrane
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Hair Cells
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Basilar Membrane
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Cochlear Duct
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Organ of Corti
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Cochlear Duct (aka Scala Media)
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Hair Cells
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Basilar Membrane
Identify the Structure (outer portion of the ear).
Identify the Structure (outer portion of the ear).

**Auricle**
Identify the Structure.
Identify the Structure.

External Auditory Canal
Identify the Bone.
Identify the Bone.

Malleus
Identify the Bone.
Identify the Bone.

Incus
Identify the Bone.
Identify the Bone.

Stapes
Identify the Structure.

Auditory Tube (Eustachian Tube)
Identify the Structure.
Identify the Structure.

Vestibulocochlear Nerve
Identify the Structure.
Identify the Structure.

Cochlea
Identify the Structure.
Identify the Structure.

Vestibule
Identify the Structure.
Identify the Structure.

Semicircular Canals
Identify the Structure.
Identify the Structure.

Auricle
Identify the Structure.
Identify the Structure.

External Auditory Canal
Identify the Structure.
Identify the Structure.

Tympanic Membrane
Identify the Structure.
Identify the Structure.

Malleus
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

Malleus
IDENTIFY THE STRUCTURE.
IDENTIFY THE STRUCTURE.

INCUS