

Fill in the gaps using the words in the boxes:

The visible part of the ear is called the  or the Auricle. The pinna is made of cartilage.

The outer ear is concerned with the transmission of  and consists of the Pinna, the ear canal and the outer layer of the eardrum, also called the  membrane.

The ear canal is filled with  and is about 2.5cm long.

The skin surrounding the ear canal contains glands that secrete ear wax. Ear wax is part of the ears  mechanism.

The middle ear is a small air filled space connecting the outer and inner ear.

The Primary function of the middle ear is to conduct sound waves through the tympanic membrane to the  via the ear bones. The ear bones are the 3 smallest bones in the body, they are called the hammer (malleus), anvil (incus) and stirrup (stapes). These bones are collectively known as the  Sound waves cause them to vibrate.

The inner ear has 2 main functions, to convert sound waves into electrical signals for the brain and to maintain  by detecting position and motion.

The inner ear has 3 main parts, the cochlear, the semi-circular canals and the vestibule.

The cochlear is filled with  and acts like a microphone, converting sound waves to nerve impulses that travel to your brain via the  nerve.

The vestibule and semi-circular canals both help you to balance.

Cochlear

Sound

Liquid

Pinna

Protection

Air

Ossicles

Tympanic

Auditory

Balance