


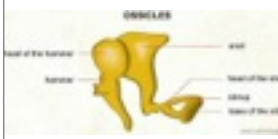
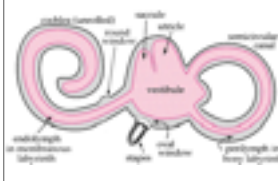





Research Task- Ear Anatomy & Function

Complete the following table:

Anatomy	Outer, middle or inner ear?	Function	Image
Auricle	Outer part of the ear	Collects sound which then is channeled into the ear.	
Ear Canal	Situated in the outer part of the ear	Tube leading from Pinna to Tympanic membrane. Channels sound waves towards the tympanic membrane. Provides a waxy substance to protect and lube the ear	
Eardrum	It is located in the middle of the ear.	The ear drum is also called the tympanic membrane. It vibrates when sound waves reach it.	
Ossicles	Located in the middle of the ear	Three tiny bones which are called the hammer, anvil and stirrup. It amplifies the vibrations from the tympanic membrane	
Oval Window	Located in the middle of the ear	Picks up the vibrations from the ossicles and passes them onto the fluid in the cochlea	

<p>Semicircular Canals</p>	<p>Inner ear</p>	<p>It can help you keep your balance. When you move your head the liquids inside the semicircular canals move around which then causes the tiny hairs to move that are inline with each canals. These hairs translate the movement of the liquid into the nerve messages that are sent to the brain.</p>	
<p>Cochlear</p>	<p>Inner ear</p>	<p>Circular filled chambers, changes the mechanical energy into electrochemical</p>	
<p>Auditory Nerve</p>	<p>Inner ear</p>	<p>The auditory nerve transmits electromechanical signals to the brain</p>	
<p>Eustachian</p>	<p>Inner ear</p>	<p>It bulges outward to allow pressure differences in the cochlear</p>	