

Example answers

		1 point column	2 point column	3 point column	Points earned
Shape	Matches this part of the ear	I chose this shape because...	However, it is not a perfect choice because ...	If this part was missing from the ear then ...	
A	pinna	It is the largest of the shapes and I think that the pinna is the largest part of the ear.	It does not show any ridges in the ear or has a hole to show that the sound waves can enter the ear canal.	We would not pick up as many of the sounds around us because only a few of the waves would be collected.	
B	auditory nerve	The end of the shape has what looks like fingers to attach to the cochlea.	It does not show that it attaches to the brain. The shape does not have nucleus.	The electrical impulse produced in the cochlea would not be able to reach the brain and we would not hear the sound.	
C	ear canal	It is a long and thin shape.	It does not show the hairs in the ear canal. The canal not perfectly straight. The shape has rounded ends on both sides.	The ear drum would be too close to the outside. A lot of dirt and dust could collect close to the ear drum. The ear would be hard to clean etc.	
D	anvil	A small bone.	It does not meet with the hammer perfectly. The anvil does not have a triangle shape cut out of it.	The bone is one of a group of bones called the ossicles. Without them the sounds would be very soft.	
E	ear drum	It has the shape of a drum. It is small.	It does not show tight piece of skin. It isn't purple. It does not show how the sound waves vibrate against it.	The pressure waves produced in the air, would not cause a vibration that could move the small hammer bone in the inner ear.	

F	cochlea	The shape is a spiral and the cochlea is also a spiral shape.	The shape does not show the hair inside the cochlea or the sensory cells that are linked to the nerves.	The sound would not be turned into electrical impulses and so we would not hear sounds.	
G	hammer	It looks like a hammer.	The hammer bone, does not look exactly like a hammer - there is no handle, it is made of bone not wood and metal etc.	The bone is one of a group of bones called the ossicles. Without them the sounds would be very soft.	
H	semi-circular canals	The loops in the pretzel are similar to the tubes in the canals.	The model does not show the fluid inside the tubes.	You would lose your balance as they detect changes in movement.	
I	stirrup	It is in the shape of a riding stirrup.	Made out of paper not bone. Should sit flush with the anvil.	The bone is one of a group of bones called the ossicles. Without them the sounds would be very soft.	

