Build An Ear

Uh oh! The following ear parts have been scrambled. Are you able to help me recode the following ear parts and put them in the correct order? Cut the following pieces and place them in the correct order on the next page. **Hint:** use the colours of each piece to correctly group each section.

Like the parts of your ears, **functions** in code are used to complete specific tasks within a larger overall task. In the large task of hearing, **data** (sound waves), enters the ear and is processed by each part of the ear in turn. Eventually the information reaches the brain, giving an end result: hearing a noise!

**Pinna:** the part of the ear you can see outside the body. collects sound like a funnel and amplifies it (makes it louder)

**Ear Drum:** receives vibrations in air, and changes them to vibrations inside the ear

**Ear Canal:** an air-filled tunnel

**Malleus:** a bone like a little hammer that sends vibrations to the incus

**Stapes:** the tiniest bone in the body! sends vibrations to the cochlea

**Vestibular / Auditory Nerve:** sends sound information to the brain after being activated by hair cells

**Cochlea:** fluid inside it moves in response to sound vibrations, which causes tiny hairs on the inside to be tickled

**Incus:** a bone like a little anvil that sends vibrations to the stapes

Date: ____________________ Name: ____________________
This page is intentionally left blank, because the previous page is meant to be cut up.
Brain: receives and processes sound after it has moved through all the parts of the ear.