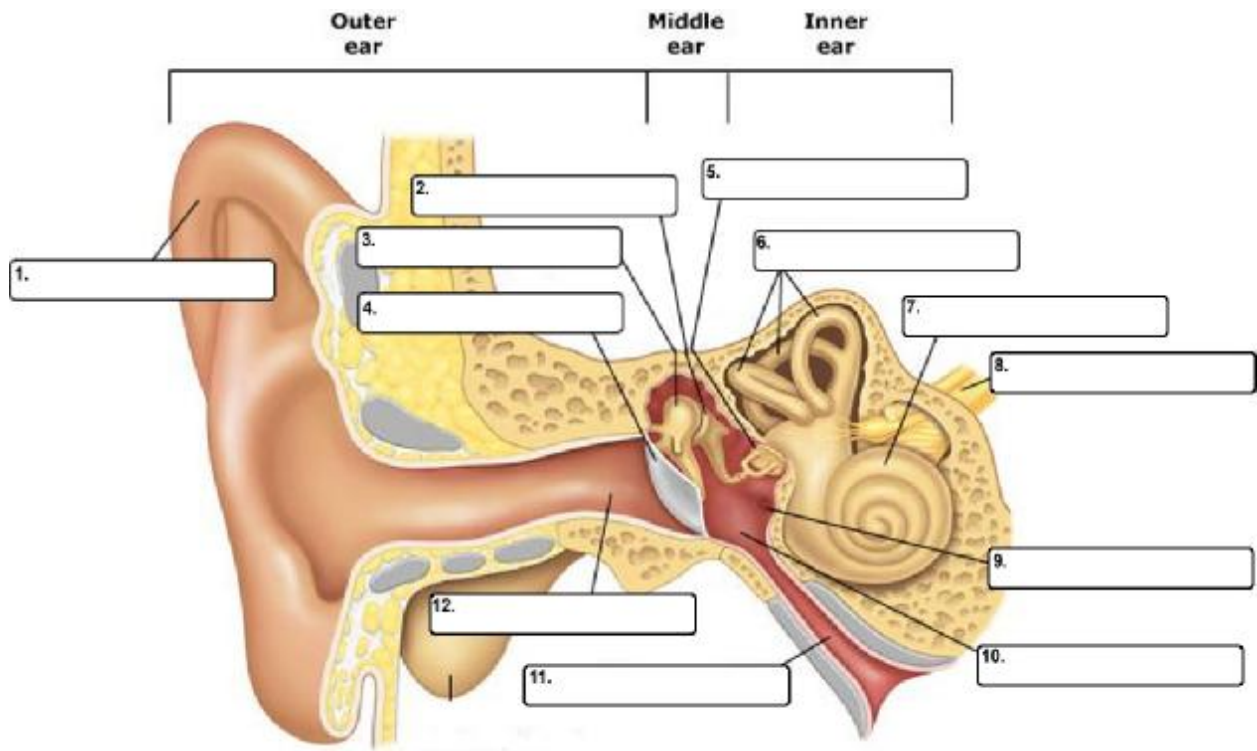


Senses\_hearing and balance

## Structure and function of human ear



### Steps in hearing

1. Sound waves enter external \_\_\_\_\_.
2. \_\_\_\_\_ vibrates.
3. Auditory \_\_\_\_\_ (malleus, incus, stapes) amplify vibrations.
4. Stapes hits the membrane nearby and transmits vibrations to \_\_\_\_\_.
5. \_\_\_\_\_ dissipates vibrations within the cochlea.
6. Cochlea contains receptor cells - \_\_\_\_\_ that deform from vibrations.
7. Impulses sent through the \_\_\_\_\_ to brain.
8. Auditory cortex of the \_\_\_\_\_ interprets sensory impulses.

### Cochlear implant

*How does it work?*