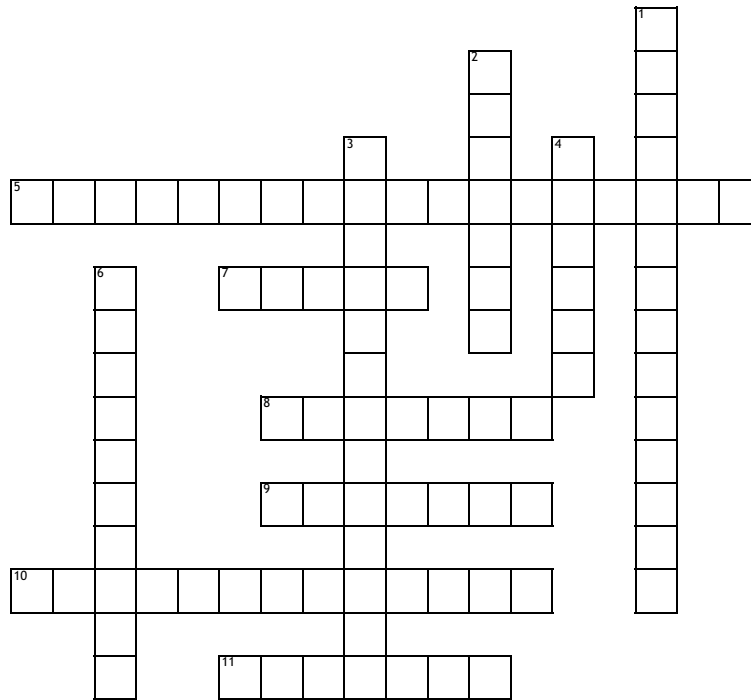


# Sensory System: Ear Structures & Functions



## Across

5. liquid filled tubes that are responsible for balance
7. lets sound waves pass through to the inner ear
8. separates the inner ear from the outer ear, and picks up the sound wave vibrations
9. the hearing organ that changes sound waves into neural impulses that end up as sound in our brain
10. changes the vibrations from the hair into nerve impulses that are sent to the brain
11. funnels sound into the ear

## Down

1. lets air in to keep the pressure equal on both sides of the eardrum
2. transmits sound waves to the inner ear making waves in the fluid in the cochlea
3. the area where sound travels through to the eardrum from the outer ear
4. concentrates the sound waves as they pass from the eardrum to the cochlea
6. where sound passes into the cochlea