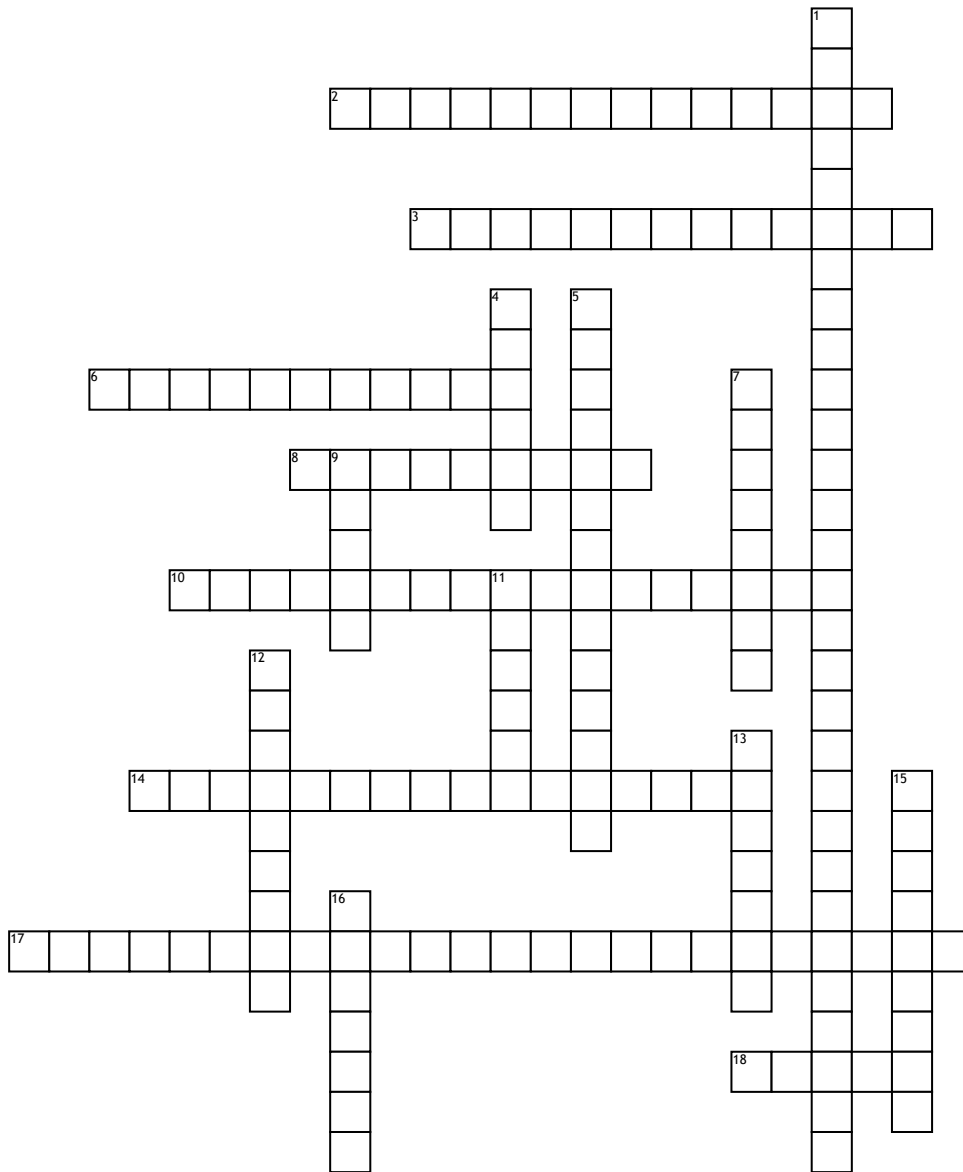


Outer & Middle Ear Anatomy



Across

2. A hard walled cavity within the temporal bone
 3. Pulls the ossicular chain anteriorly; innervated by the trigeminal nerve
 6. The middle ear develops negative pressure and begins to fill with serous fluid
 8. Area in which acoustical energy is converted into mechanical energy
 10. Identifying the angle of the sound source (front, back etc.)
 14. Separates the outer ear from the middle ear

17. Time difference of sound arriving at the right and left ears
 18. Can also be known as "the auricle"; responsible for responding to monaural cues.

Down

1. The difference in intensity between both ears
 4. The final ossicle; attaches to the oval window via the footplate
 5. Connects the middle ear and the pharynx
 7. The tympanic membrane's concave shape amplifies force as it moves, also known as _____

9. The middle ossicle; has an anvil shape.
 11. The type of joint connecting the malleus and incus
 12. Pulls the ossicular chain posteriorly; innervated by the facial nerve.
 13. Thick, brownish substance that serves as protection for the middle ear
 15. The smallest bones in the body connect in this chain
 16. The first ossicle; attached to the inner surface of the tympanic membrane