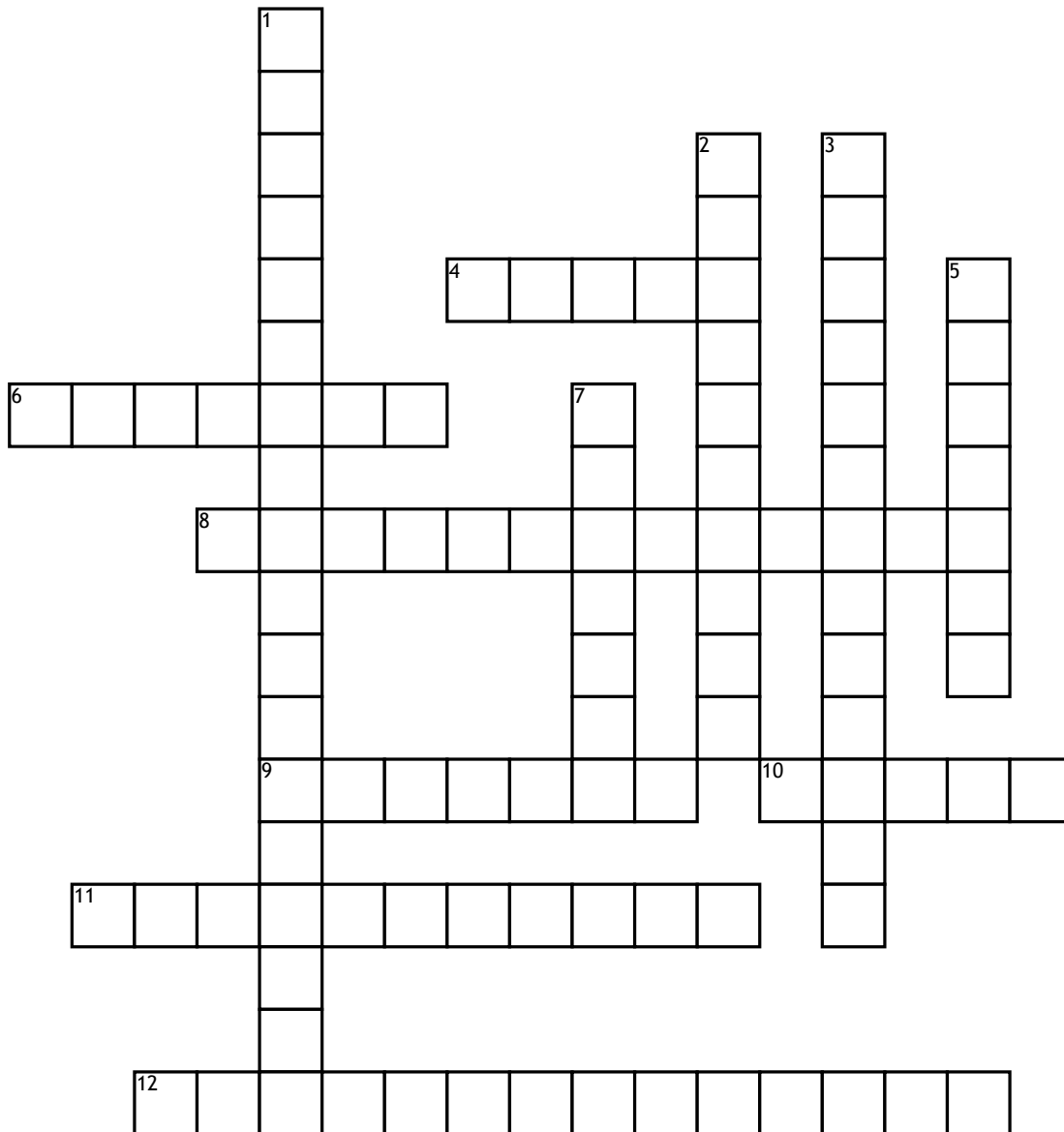


Name: _____

Date: _____

Anatomy of the Ear



Across

4. the part of the ear that extends from the head, also called the outer ear

6. the membrane of the middle ear, which vibrates in response to sound waves; the tympanic membrane.

8. a bundle of nerve fibers that carries hearing information between the cochlea the brain.

9. the spiral cavity of the inner ear containing the organ of Corti, which produces nerve impulses in response to sound vibrations.

10. one of three bones in the middle ear; it transmits vibrations from the malleus to the stapes; it is also called the anvil

11. a membrane-covered opening in the inner wall of the middle ear that compensates for changes in inner ear pressure.

12. a narrow passage leading from the pharynx to the cavity of the middle ear, permitting the equalization of pressure on each side of the eardrum.

Down

1. the three curved ducts of the inner ear, containing fluid and nerves, that control balance

2. an oval opening at the head of the cochlea, connecting the middle and inner ear, through which sound vibrations of the stapes are transmitted

3. the auditory canal leading from the opening of the external ear to the eardrum.

5. one of three bones in the middle ear; it connects to the tympanic membrane and transmits vibrations via the incus to the stapes; it is also called the hammer

7. the soft, fleshy lower part of the external ear.