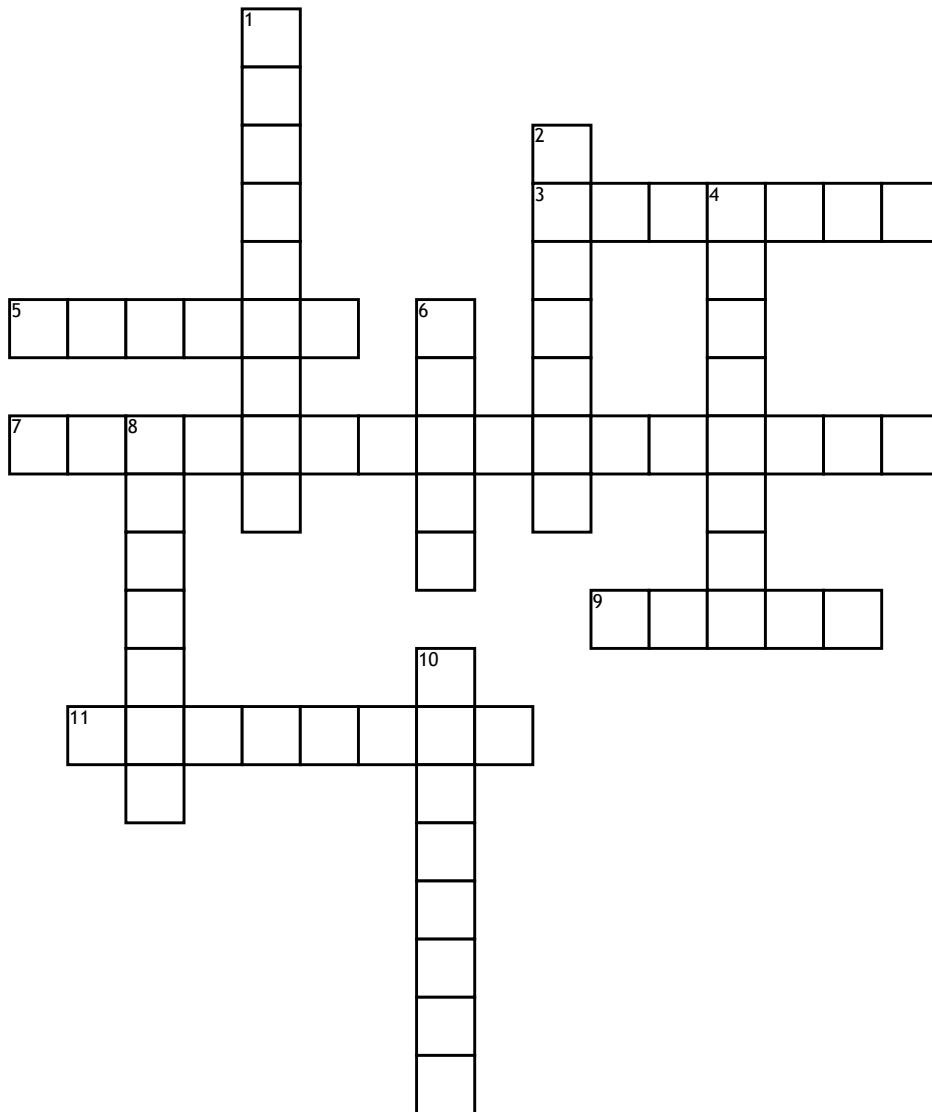


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# hearing



## Across

**3.** three bones in either middle ear that are among the smallest bones in the human body. They serve to transmit sounds from the air to the cochlea.

**5.** a small stirrup-shaped bone in the middle ear, transmitting vibrations from the incus to the inner ear.

**7.** a membrane forming part of the organ of hearing, which vibrates in response to sound waves.

**9.** convert vibration into nerve impulses.

**11.** gathers sound energy and focuses it on the tympanic membrane

## Down

**1.** the air-filled central cavity of the ear, behind the tympanic membrane

**2.** produces nerve impulses in response to sound vibrations

**4.** the innermost part of the vertebrate ear. In vertebrates, this is mainly responsible for sound detection and balance.

**6.** transmitting vibrations between the malleus and stapes.

**8.** a small bone in the middle ear which transmits vibrations of the eardrum to the incus.

**10.** a tube running from the outer ear to the middle ear.