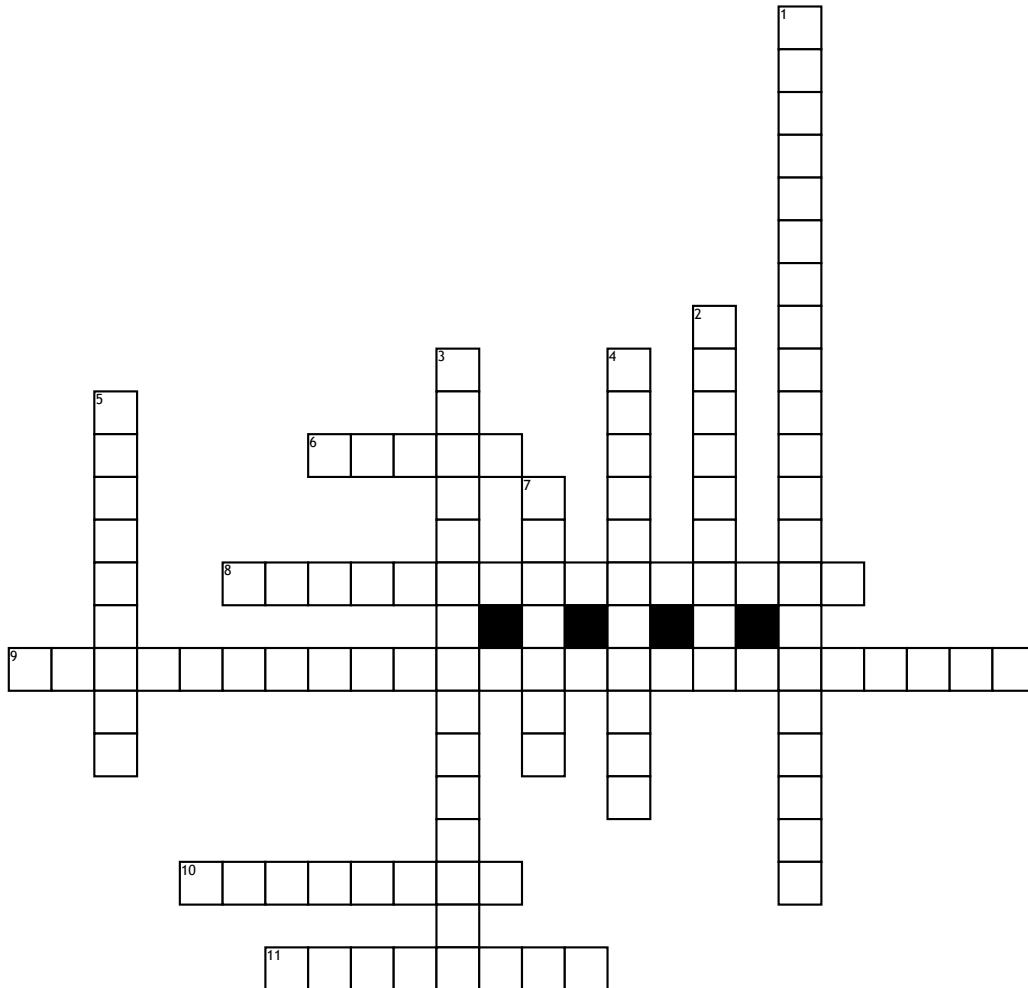


Name: _____

Date: _____

Hearing



Across

6. A tone's experienced highness or lowness depends on frequency

8. The rate of nerve impulses traveling up the auditory nerve matches the frequency of a tone

9. Caused by damage to the cochlea's receptor cells or to the auditory nerves

10. Contains the cochlea, semicircular canals, and the vestibular sacs

11. The sense or act of hearing

Down

1. Caused by damage to the mechanical system that conducts sounds waves to the cochlea

2. A chamber containing three tiny bones that concentrates the vibration of the eardrum on the cochlea

3. A device for converting sounds into electrical signals and stimulating the auditory nerve

4. Links the pitch we hear with the place where the cochlea's membrane is stimulated

5. The number of complete wavelengths that pass a point in a given time

7. Sounds waves traveling through the cochlear fluid trigger nerve impulses

Word Bank

cochlea

Audition

cochlear implant

Middle Ear

Pitch

conduction hearing loss

innerear

sensorineuralhearingloss

Frequency

placetheory

frequency theory