Unit 4, Module 20

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| **Across****2.** Number of complete wavelengths that pass point in given time**4.** Sense or act of hearing**6.** Fluid-filled tube in the inner ear**7.** Hearing loss caused by damage to the mechanical system that conducts sound waves to the cochlea**9.** Hearing loss caused by damage to the cochlea's receptor cells or to the auditor nerves; also called nerve deafness**10.** Device for converting sounds into electrical signals and stimulating the auditory nerve through electrodes threaded into the cochlea. | **Down****1.** Theory that the rate of nerve impulses traveling up the auditory nerve matches the frequency of a tone**3.** Chamber between the eardrum and cochlea containing three tiny bones (hammer, anvil, and stirrup) that concentrate the vibrations of the eardrum on the cochlea's oval window.**5.** Tones experienced highness or lowness, depends on frequency**8.** Innermost part of the ear, containing the cochlea, semicircular canals, and vestibular sacs |