Unit 4, Module 20

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|  |  |  |  |  |  |  |  | 5P |  |  | 6C |  O |  C |  H |  L |  E |  A |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  | 7C |  O |  N |  D |  U |  C |  T |  I |  O |  N |  H |  E |  A |  R | 8I |  N |  G |  L |  O |  S |  S |  |  |  |  |  |  |
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|  |  |  | 9S |  E |  N |  S |  O |  R |  I |  N |  E |  U |  R |  A |  L |  H |  E |  A |  R |  I |  N |  G |  L |  O |  S |  S |  |  |  |
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|  |  |  |  |  | 10C |  O |  C |  H |  L |  E |  A |  R |  I |  M |  P |  L |  A |  N |  T |  |  |  |  |  |  |  |  |  |  |
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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 |