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Anatomy & Physiology of the Ear, Nose, & Throat

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|  |  |  |  |  |  |  |  U |  |  |  |  |  |  |  Y |  |  |  |  |  |  |  |  |  |  P |  |  |  |  |  |
|  |  |  |  |  | 6T |  Y |  M |  P |  A |  N |  I |  C |  |  M |  |  |  |  | 7S |  P |  E |  E |  C |  H |  |  |  |  |  |
|  |  |  |  | 8M |  |  |  E |  |  |  |  |  |  |  P |  |  |  |  |  |  |  |  |  |  G |  |  |  |  |  |
|  |  |  | 9L |  A |  R |  Y |  N |  X |  |  |  |  |  |  H |  | 10H |  |  | 11E |  |  | 12O |  |  A |  |  |  |  |  |
|  |  |  |  |  X |  |  |  |  |  |  |  |  |  |  |  |  E |  |  |  P |  |  |  S |  |  U |  |  | 13I |  |  |
|  |  |  |  |  I |  |  | 14N |  |  |  |  | 15P |  I | 16N |  N |  A |  | 17S |  I |  N |  U |  S |  E |  S |  |  |  N |  |  |
|  |  | 18E |  |  L |  |  |  A |  | 19E |  |  |  |  |  O |  |  R |  |  |  G |  |  |  I |  |  |  |  |  N |  |  |
|  | 20M |  A |  L |  L |  E |  U |  S |  |  U |  |  | 21V |  E |  S |  T |  I |  B |  U |  L |  E |  | 22C |  O |  C |  H |  L |  E |  A |  |
|  |  |  R |  |  A |  |  |  A |  |  S |  |  |  |  |  E |  |  N |  |  |  O |  |  |  L |  |  |  |  |  R |  |  |
|  |  |  |  |  R |  |  |  L |  |  T |  |  |  |  |  |  |  G |  |  | 23T |  H |  R |  E |  E |  |  |  |  |  |  |
|  |  |  |  |  Y |  |  |  P |  |  A |  | 24S |  |  | 25F |  |  |  |  |  T |  |  |  S |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  S |  |  H |  |  H |  | 26T |  O |  N | 27S |  I |  L |  S |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  S |  |  I |  |  E |  |  |  N |  |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  A |  |  A |  |  N |  |  |  T |  | 28P |  H |  A |  R |  Y |  N |  X |  |  |  |  |  |  |  |
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|  |  |  |  |  | 29E |  L |  E |  C |  T |  R |  I |  C |  A |  L |  |  U |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  | 30E |  A |  R |  D |  R |  U |  M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across****4.** Opening into the nasal passsage passsade**6.** The membrane protected by the external ear**7.** The throat helps informing**9.** Commonly know as the voice box**15.** Medical term external ear**17.** Four-paired air-filled cavities near the nasal passages**20.** One of ossicles**21.** Receptors for balance are found in this portion of the inner ear**22.** Snail-shaped portion of the boney labyrinth **23.** The ear is divided functionally and anatomically into**26.** Protect aganist infection in early childhood**28.** The throat consists of the larynx and**29.** Sound waves are converted into impulses in the inner ear **30.** Seperates the middle ear from the external ear | **Down****1.** The medical name for the nose is the external**2.** Medical term for earwax**3.** The pharynx connects the nose and mouth to the larynx and**5.** Tonsils and adenoids are made up of this type of tissue**8.** Sinus located around the area of the cheeks**10.** The cochlea contains the nerves for **11.** Flap tissue that prevents food and irritants from entering the lungs**12.** Small moveable bones in the middle ear**13.** The region of the ear that functions in the vestibular system**14.** Lined with mucous membranes and cilla**16.** The organ of smell and breathing**18.** The organ of balance/equilibruim and detection of sound **19.** Connects the middle ear to the throat/nasopharynx**24.** Sinus located deep in the face behind the nose that does not develop until adolescence**25.** Sinus located in the area of the forehead that does not develop until 7 yearsof age**27.** Divides the nasal passages into right and left sides |