



Silent Bells



ഫസ്റ്റ് ബെൽ - അനുബന്ധ പഠനസഹായകസാമഗ്രി

Class : 10 Subject : Biology Class 14 (Date : 28/07/2020) Wrksheet No : 7

Chapter 2

Windows of Knowledge

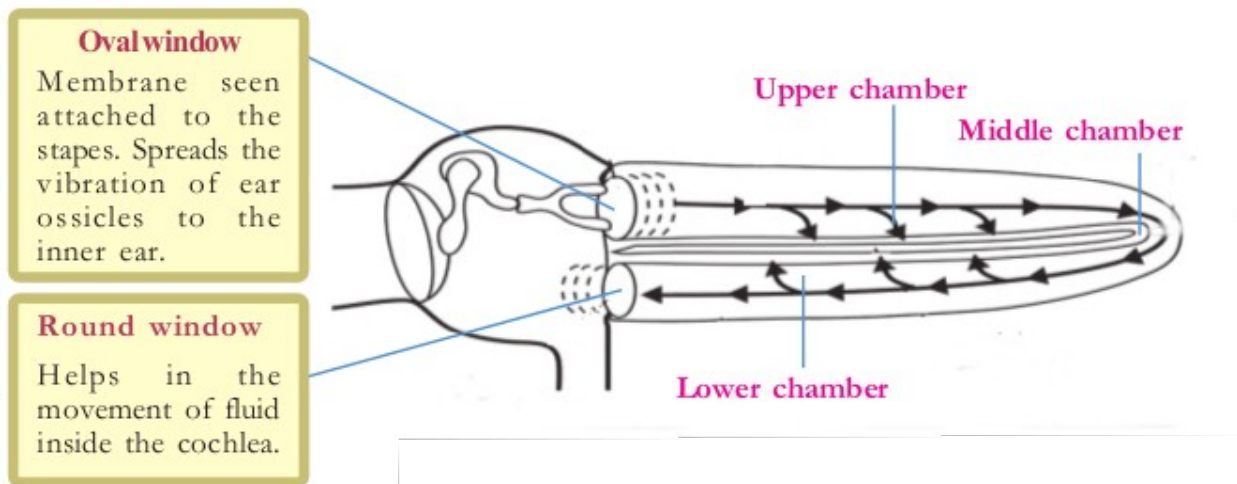
LO : Structure of Cochlea and hearing.

Victers Link



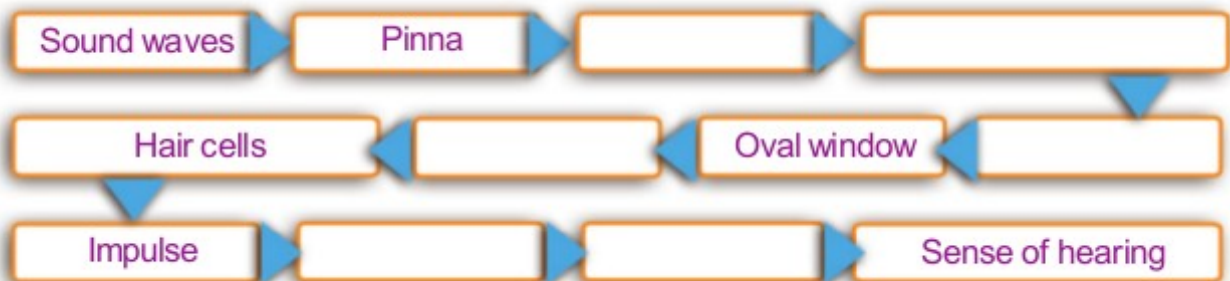
1. Observe the diagram given below and answer the following.

Uncoiled cochlea



a. Describe the structure of cochlea.

b. Complete the flow chart given below by including the parts of the ear that bring about the sense of hearing. Also prepare a note in your Science diary.





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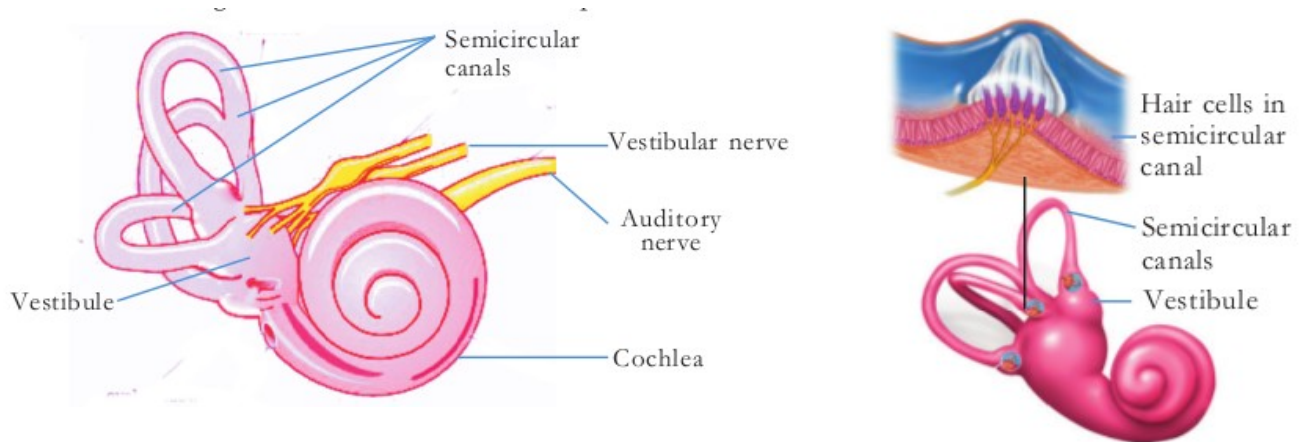


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c. Find out the word pair relationship and fill in the blanks.

Oval window : Spreads the vibration of ear ossicles to the inner ear
..... : Helps in the movement of fluid inside the cochlea.

2. Observe the figure and name the parts of the internal ear which help in body balance ?



3. Processes related to maintaining the equilibrium of the body are given below. Analyse and arrange them in the correct order.

- a) Impulses are formed.
- b) Muscular movements are coordinated.
- c) Maintains the equilibrium of the body
- d) Sensory hair cell of the vestibule and semicircular canal are stimulated
- e) Impulses are transmitted by the vestibular nerves to the cerebellum.
- f) Movements of the head bring about the movement of the endolymph present inside the vestibule and the semicircular canals



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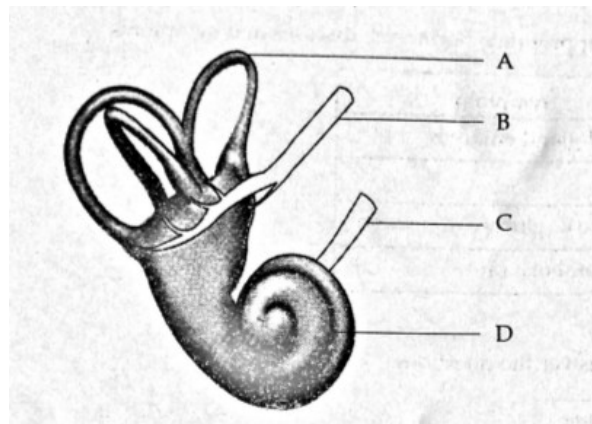
4. Find out the word pair relationship and fill in the blanks.

- a) Cochlea : Auditory nerve
Vestibule :
- b) Auditory nerve : Cerebrum
Vestibular nerve :

5. Examine the terms given below and choose the parts related to the maintenance of equilibrium of the body.

Cerebrum, Eustachian tube, Sacule, Cochlea, Utricle, Vestibular nerve, Oval window, Cerebellum, Semi circular canals

6. Analyse the illustration of internal ear and answer the questions.



- a) Write name and functions only of the body balancing parts from A,B,C and D
- b) Write the function performed by others.

7. Prepare a write-up on the protection of ears.

LO : To detect taste

8. What are the different types of tastes we can detect?

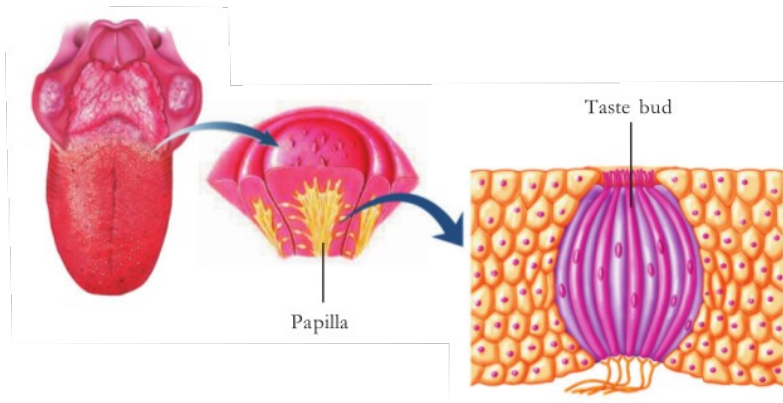


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9. Observe the illustration and prepare a note on taste buds



10. Complete the flowchart on the method of detecting taste.

