

WORKSHEET 2

CHAPTER 11 – SENSE ORGANS

A. Fill in the blanks.

1. Sensory cells in utriculus and sacculus are concerned with _____
2. The middle ear is separated from the external ear by the _____
3. Passage connecting middle ear with nasopharynx is called _____
4. Spiral canal located in the internal ear is _____
5. The ear ossicle attached to the oval window is _____

B. Name the following.

1. The middle coat of the eye that is soft, vascular and thin layer.
2. The smallest bone in the human body.
3. The photosensitive pigment present in the rod cells in the retina.
4. The nutritive layer of the eye which also prevents reflection of light.
5. The internal layer of the eye which prevents reflection of light.

C. State one main function of the following.

1. Retina
2. Pinna
3. Organ of Corti
4. Cornea
5. Ear ossicles

D. Match the items in Column A with those in Column B and write down the matching pairs.

Column A

1. Yellow spot
2. Eustachian tube
3. Semicircular canals
4. Astigmatism
5. Sclera

Column B

- a. white fibrous tissue
- b. place of best vision
- c. middle ear
- d. uneven curvature of cornea
- e. dynamic balance

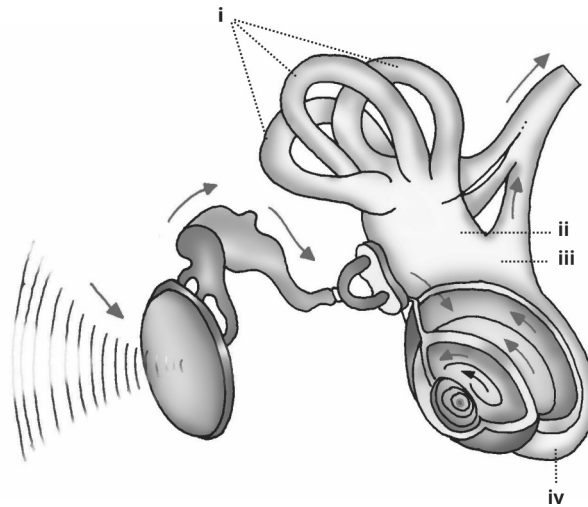
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E. The diagram below represents the structure found in the inner ear. Study the same and answer the following questions.



1. Name the parts labelled i to iv.
2. Name the part of the ear responsible for transmitting impulses to the brain.
3. Name the part responsible for
 - a. static equilibrium.
 - b. dynamic equilibrium.
 - c. hearing.
4. Name the audio receptor cells which pick up vibrations.
5. Name the fluid present in the inner ear.

ANSWERS

WORKSHEET 2

A. Fill in the blanks.

1. static balance
2. tympanic membrane
3. Eustachian tube
4. cochlea
5. stapes

B. Name the following.

1. Choroid
2. Stapes
3. Rhodopsin
4. Choroid
5. Retina

C. State one main function of the following.

1. It helps in the formation of image.
2. Receives vibrations and transmits them to the auditory canal.
3. Helps in hearing.
4. Refracts light rays entering the pupil of the eye.
5. Amplifies vibrations received from the eardrum.

D. Match the items in Column A with those in Column B and write down the matching pairs.

1. b. 2. c. 3. e. 4. d. 5. a.

E. The diagram below represents the structure found in the inner ear. Study the same and answer the following questions.

1. i – Semicircular canal
ii – Utriculus
iii – Sacculus
iv – Cochlea
2. Auditory nerve
3. a. Utriculus and Sacculus
b. Semicircular canal
c. Cochlea
4. Sensory cells of Organ of Corti
5. Perilymph