

WORKSHEET 1

CHAPTER 11 – SENSE ORGANS

A. Name the following.

1. A bony socket in which eye is well protected.
2. Jelly-like material filled in the space between the lens and the retina.
3. The structure that has a sensory organ called 'organ of Corti'.
4. The membrane that covers the entire front part of the eye.
5. The bone of middle ear which is attached to the tympanum.

B. State whether the following statements are True or False.

1. A convex lens is used to correct myopia.
2. Hypermetropia is a defect of the eyeball being elongated.
3. Deafness is caused due to the rupturing of the pinna.
4. Cochlea of the human ear is concerned with the sense of balance.
5. The middle ear contains cochlea.

C. Choose the correct option.

1. The structure that maintains the shape of the eyeball is
a. aqueous chamber. b. aqueous humour. c. vitreous chamber. d. vitreous humour.
2. The smallest ear ossicle is
a. stapes. b. malleus. c. incus. d. cochlea.
3. The photoreceptive cell of the retina sensitive to colour is
a. cones. b. rods. c. organ of Corti. d. iris.
4. Structure responsible for dynamic balance is
a. utriculus. b. sacculus. c. semicircular canals. d. cerebrospinal fluid.
5. The condition of the eye in which the lens becomes opaque is
a. myopia. b. hypermetropia. c. cataract. d. squint.

D. State one main function of the following.

1. Optic nerve
2. Auditory nerve
3. Yellow spot
4. Semicircular canals
5. Rods and cones

Name:

Teacher's signature:

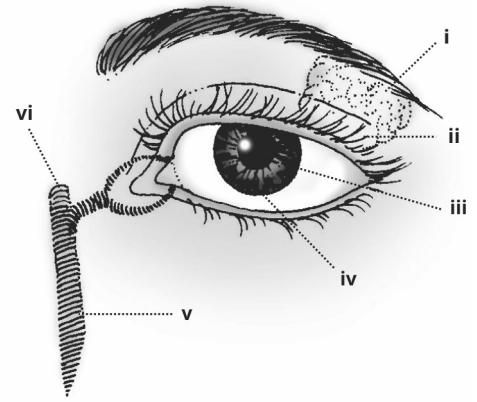
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E. The given figure shows the structure of a mammalian eye.

Based on the figure, answer the following questions.

1. Label the parts i – vi.
2. State the respective function of parts i, ii and iv.
3. What special advantage do human beings derive in having both the eyes facing forward?
4. What is the name given to white portion of the eye? What is its function?
5. What is the importance of the part labelled iii?



ANSWERS

WORKSHEET 1

A. Name the following.

1. Orbit
2. Vitreous humour
3. Cochlea
4. Conjunctiva
5. Malleus

B. State whether the following statements are True or False.

1. False
2. False
3. False
4. False
5. False

C. Choose the correct option.

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

D. State one main function of the following.

1. It carries the impulses from eye to the brain.
2. Carries impulse from internal ear to the brain.
3. Area of best vision.
4. Concerned with body equilibrium.
5. Cones are for colour vision and rods for night vision.

E. The given figure shows the structure of a mammalian eye. Based on the figure, answer the following questions.

1. **i** – Lacrimal gland
ii – Lacrimal duct
iii – Pupil
iv – Iris
v – Nasolacrimal duct
vi – Lacrimal lac
2. **i** – **Lacrimal gland**: to produce tears
ii – **Lacrimal duct**: to pour the tear into the eye
iv – **Iris**: responsible for controlling size and diameter of the pupil.
3. It provides binocular vision, i.e. both eyes are responsible for viewing an object.
4. **Sclera** – It gives shape to the eyeball and protects its inner parts.
5. Pupil is the structure through which light enters the eyeball.