

Optics in the Human Body

Optics · Answer Key · 8 Questions

1. Which part of the human eye acts like a camera lens to focus light onto the retina?

- A) Cornea
- B) Pupil
- C) Iris
- D) Lens**

2. What is the transparent front layer of the eye that helps focus incoming light?

- A) Cornea**
- B) Retina
- C) Sclera
- D) Optic Nerve

3. Which part of the eye controls the amount of light that enters by changing size?

- A) Lens
- B) Pupil**
- C) Retina
- D) Cornea

4. Where are the light-sensitive cells called rods and cones located?

- A) The lens
- B) The cornea
- C) The retina**
- D) The iris

5. What is the common term for the condition where the eye has difficulty focusing on distant objects?

- A) Hyperopia
- B) Nearsightedness**
- C) Astigmatism
- D) Presbyopia

6. Which nerve is responsible for carrying visual information from the retina to the brain?

- A) Olfactory nerve
- B) Auditory nerve
- C) Optic nerve**
- D) Trigeminal nerve

7. What is the name of the coloured part of the eye that surrounds the pupil?

A) Sclera

B) Iris

C) Conjunctiva

D) Retina

8. Which substance inside the eye is responsible for maintaining the eye's spherical shape?

A) Vitreous humor

B) Saliva

C) Blood

D) Tear fluid