

Practice questions:

Eye

Key: a. choroid b. conjunctiva c. retina d. sclera

1. ___ Which structure is a mucous membrane covering the anterior surface of the eyeball?
2. ___ Which term refers to a vascular, light absorbing layer?
3. ___ Which layer consists of receptors cells that respond to a range of light intensities (dim light to bright light)?
4. ___ This is a fibrous layer to which the extrinsic muscles of the eye attach.

Key: a. aqueous humor b. cornea c. iris d. lens e. vitreous body

5. ___ Which structure contributes **the most** to your ability to focus light rays on the retina?
6. ___ Tests done in the doctor's office have confirmed the development of **glaucoma**. For immediate relief, you could remove _____?
7. ___ This structure consists of circular and radial muscles.
8. ___ If a **cataract** develops, which structure should be replaced?

Key: a. bipolar cells b. cone c. ganglion cells d. rod e. both a and b

9. ___ After viewing the sun during a solar eclipse, Jason can only see when the light is dim. Which cell was damaged by the excess light?
 10. ___ Gary can't tell the difference between red and green. Which type of cell is probably abnormal?
 11. ___ Rods and cones initiate the depolarization of this next cell in the pathway.
 12. ___ These cells axons create the optic nerve.
 13. ___ These cells are concentrated within the fovea of the eye.
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Answers: 1. (B) 2. (A) 3. (C) 4. (D) 5. (B) 6. (A) 7. (C) 8. (D) 9. (B) 10. (B) 11. (A) 12. (C) 13. (B)