

Date: _____

Name: _____

Class: _____

1 If you were to accidentally scratch the outermost part of your eye, which part would you damage?

- A The cornea
- B The lens
- C The retina
- D The pupil

2 What do the lens and cornea have in common?

- A They both send messages to the brain
- B They can both change shape
- C They both contain photoreceptive cells
- D They both bend light into a focused beam

3  What would happen to your pupils if it's extremely bright outside?

- A They would let a lot of light into your eyes
- B They would expand and become very large
- C They would contract and become very small
- D They would close up completely

4  How are rods different from cones?

- A Rods are sensitive to light, while cones can detect color
- B Cones are sensitive to light, while rods can detect color
- C Cones send images to the brain, while rods do not
- D Rods send images to the brain, while cones do not

5 Which part of your eye is most like the film in a camera?

- A The iris
- B The retina
- C The pupil
- D The lens

6 Order the following: A) The optic nerve transmits signals; B) An image is projected onto the retina; C) Rods and cones transform an image into electrical impulses

- A B, A, C
- B C, A, B
- C A, C, B
- D B, C, A

7 What role does your brain play in the process of seeing?

- A It puts blurry images into focus
- B It turns black-and-white images into color
- C It flips upside-down images rightside-up
- D It flips backwards images over so you see them the correct way

8 Which animal has better eyesight than humans?

- A 
- B 
- C 
- D 

9 What might happen if the lens of your eye became damaged?

- A Your eyes wouldn't be able to focus properly
- B You wouldn't be able to see in color
- C You wouldn't be able to see at night
- D All the images you saw would be upside-down

10 What is the best synonym for "photoreceptive?"

- A Tissue-covered
- B Camera-like
- C Color-detecting
- D Light-sensitive