

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### The Eye and Color Vision Short Answer Questions

1. Using a diagram from a textbook or the Internet, draw your own diagram of the eye from the cornea to the retina.
2. Describe how the human body is designed to protect the eyes.
3. As humans age they tend to develop cataracts of the eye. Do some research and write a report about what cataracts are and how they change vision.
4. Do some research and explain the location, structure and function of the part of the retina called the fovea.
5. What are rods when discussing the eye and vision?
6. Looking at the cones of the retina, 64% are sensitive to red, 32% sensitive to green and 4% sensitive to blue. Draw a pie chart that shows this distribution. Be sure to label all parts of the chart.
7. How do humans see a full range of colors when cones only respond to red, green and blue?