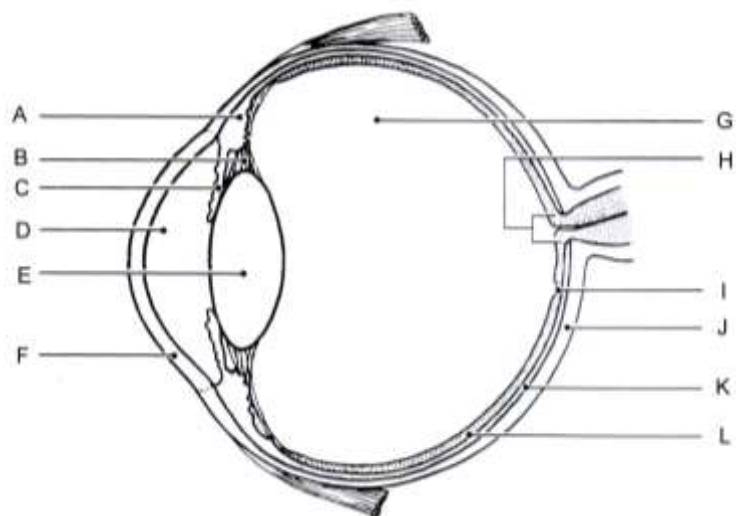


### **G10 Science: Class 13 Homework**

1. Describe at least three similarities between a camera and the human eye. **[3 marks]**
  
  
  
  
  
  
  
  
  
  
2. Compare and contrast:
  - a. Hyperopia and Myopia **[3 marks]**
  
  
  
  
  
  
  
  
  
  
  - b. Positive Meniscus and Negative Meniscus **[3 marks]**
  
  
  
  
  
  
  
  
  
  
  - c. Compound Microscope and Refracting Telescope **[3 marks]**
  
  
  
  
  
  
  
  
  
  
3. a) People often require reading glasses as they get older. What vision problem do these people usually have and what causes it? **[3 marks]**
  
  
  
  
  
  
  
  
  
  
- b) Which corrective lens shape corrects this problem, a positive meniscus or a negative meniscus? Explain. **[2 marks]**

4. A student previously had to sit at the front of the class to clearly see writing on the board. The student now wears glasses and can read the board quite comfortably from the back of the classroom.
- a) What kind of vision problem does this student have? **[1 mark]**
- b) Do the student's eyeglasses have lenses that have a positive meniscus or a negative meniscus? Explain. **[2 marks]**
5. Some people with presbyopia hold a book farther than a normal distance from their eyes so that they can read the print. How does this help their eyes focus? **[2 marks]**
6. Research an eye disease that has not been discussed in class. Briefly explain the cause of the disease, the symptoms and remedies. **[4 marks]**

7. Complete the following table. **[24 marks]**



Label	Name	Function
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		