The Human Eye

Answer the following questions with detail. Use diagrams where necessary to help explain your answers.

1. What is the function of the iris in the eye?

2. What is the hole in the iris called?

3. What two organs of the eye refract light?

4. What is the area called where light is focused?

5. How do impulses travel from the eye to the brain?

6. If a person suffered brain damage from an accident, would their vision be affected? How so?

7. What accommodations can be made for people with impaired vision?

8. What is hyperopia? Where is the light focused?

9. Do you think a convex lens would cure hyperopia?

10. What is myopia? Where is the light focused?

11. Why does a person’s vision change as they grow older? What is the condition called?

12. What is glaucoma, and how does it affect your vision? What are the preventive measures and treatment for glaucoma?

Optical Devises

Please look up and outline how the following optic devices work. You may also use a diagram to support your understanding.

* Telescope
* Binoculars
* Periscope