pathways which nerves follow from the back of the eyes to the brain's vision center.

* Using Figure 71-4, note that the retina in each eye is responsible for receiving light from objects viewed either toward your right or left side.

8. Objects viewed (shaded or unshaded rectangles) toward your right side fall on which side of both eyes' retinas? ______
9. Objects viewed toward your left side fall on which side of both eyes' retinas? ______

Figure 71-4 shows that the optic nerve also is divided into left and right sections from each eye. The pathways follow a pattern toward the back of the brain where once received, the brain interprets what is seen.

10. On which brain side are messages carried by the optic nerve when one views objects
   [a] toward the left side? ______
   [b] toward the right side? ______
11. Does the left optic nerve carry eye messages only to the left brain side? ______
12. Does the right optic nerve carry eye messages only to the right brain side? ______

13. If a person were to damage or destroy the entire vision center of the brain, he/she would not be able to see even though the eyes were not harmed.
   [a] A person damages only the left vision center. Could he/she still see? ______
   [b] How would the vision be limited? ______
14. [a] A person has the right optic nerve cut by accident at the point marked A on Figure 71-4. Could he/she still see? ______
   [b] How would the vision be limited? ______
   [c] Which side or sides of the brain's vision center would still be receiving messages? ______
15. [a] A person has the right optic nerve cut by accident at the point marked B on Figure 71-4. Could he/she still see? ______
   [b] How would the vision be limited? ______
   [c] Which side or sides of the brain's vision center would still be receiving messages? ______
16. [a] A person has the optic nerve cut by accident at the point marked C on Figure 71-4. Could he/she still see? ______
   [b] How would the vision be limited? ______
   [c] Which side or sides of the brain's vision center would still be receiving messages? ______