

**Name** \_\_\_\_\_ Mirrer Yeshiva HS June 9, 2020 Rabbi Bresler  
**Class** \_\_\_\_\_ Biology Remote Learning Chapter 35-4 The Nervous System

**This assignment is due Sunday Night June 14, 2020**

First read pages 906-909

1. In your own words write one or two sentences describing the general topic of this subchapter. - \_\_\_\_\_  
\_\_\_\_\_

Page 906-7

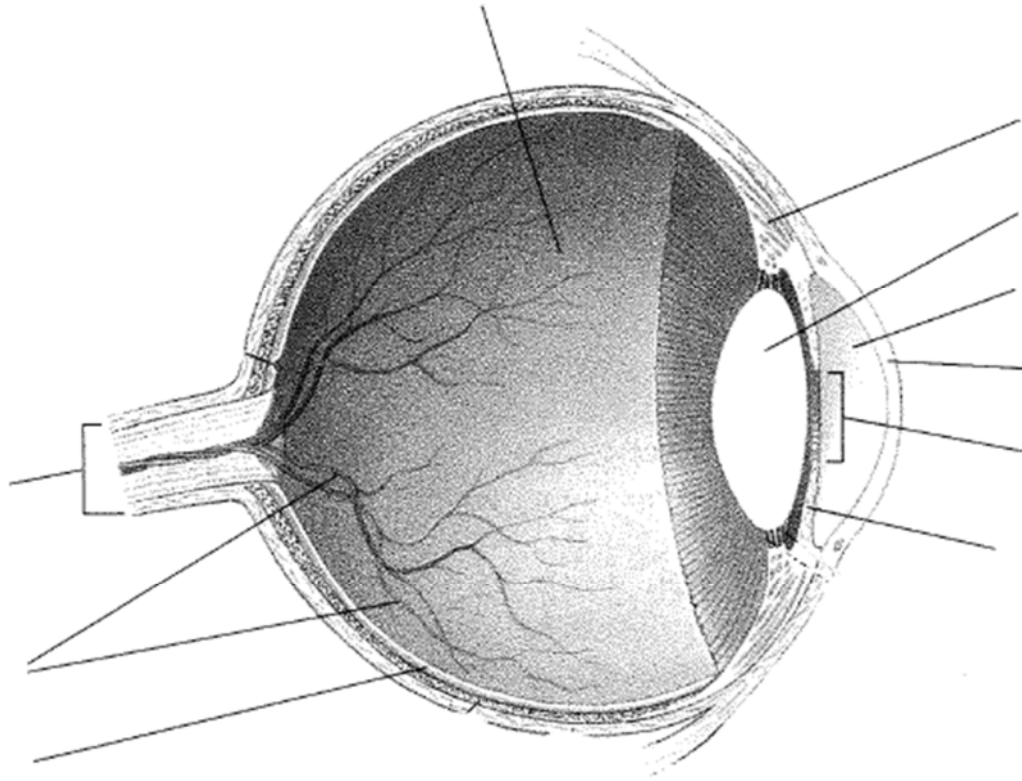
2. What are sensory neurons? \_\_\_\_\_  
\_\_\_\_\_

Brain tumor symptoms can include changes to vision, such as blurred or double vision, abnormal eye movements, restricted field of view and more. It is important to remember that brain tumors are relatively rare, which means it is likely that your symptoms are NOT due to a brain tumor. A brain tumor is a growth in the brain, and it will expand inside the skull. However, it is always important to get any symptoms checked out at by an ophthalmologist. (n.d.). adapted from [www.thebraintumourcharity.org](http://www.thebraintumourcharity.org)

3. Based on your understanding of the eye, why would a brain tumor near the area of the optic nerve cause blindness? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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4. In the diagram **above** please properly label the following structures of the eye, **(10pts)**

5. and explain their function **below**:

a. Muscle: \_\_\_\_\_

\_\_\_\_\_

b. Lens \_\_\_\_\_

\_\_\_\_\_

c. Aqueous humor \_\_\_\_\_

\_\_\_\_\_

d. Cornea \_\_\_\_\_

\_\_\_\_\_

e. Pupil \_\_\_\_\_

\_\_\_\_\_

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- f. Iris \_\_\_\_\_  
\_\_\_\_\_
- g. Retina \_\_\_\_\_  
\_\_\_\_\_
- h. Blood Vessels (doesn't say in the book, but what do blood vessels do?) \_\_\_\_\_  
\_\_\_\_\_
- i. Optic nerve \_\_\_\_\_  
\_\_\_\_\_
- j. Vitreous humor \_\_\_\_\_  
\_\_\_\_\_

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Quite a few things can lead to balance problems, but it's a lesser-known fact that hearing loss can cause balance disorders.

- 6. Please briefly explain how would hearing loss possibly affect someone's balance. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 7. Explain all the steps that are necessary for sound that enters the auditory canal to reach the brain as a nerve impulse. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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- 8. What is a simple proof that taste is really the sense of smell? \_\_\_\_\_  
\_\_\_\_\_
- 9. Why are fingers toes and the face more sensitive to touch than other areas? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_