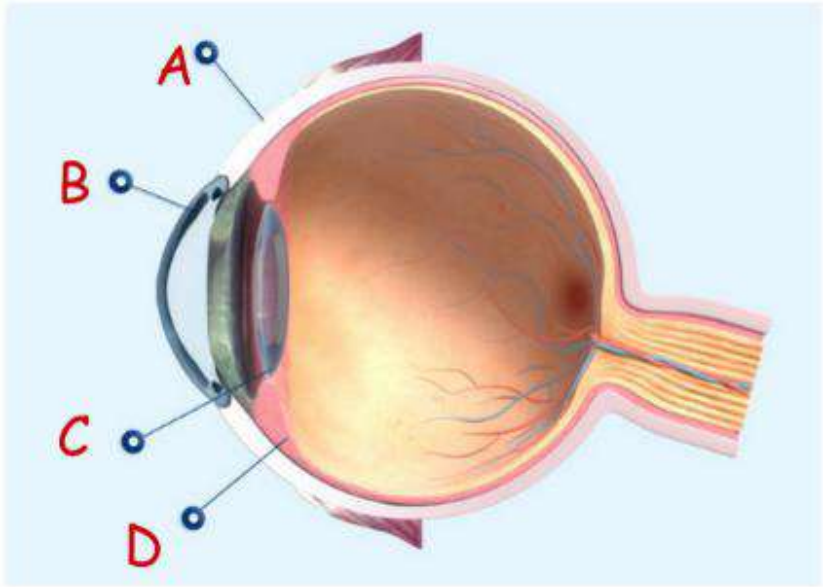


Name: _____ Date: _____ Bl: ____

Virtual Eye Lab

Go to the following website- <http://www.acuvueprofessional.com/virtual-eye-model>.



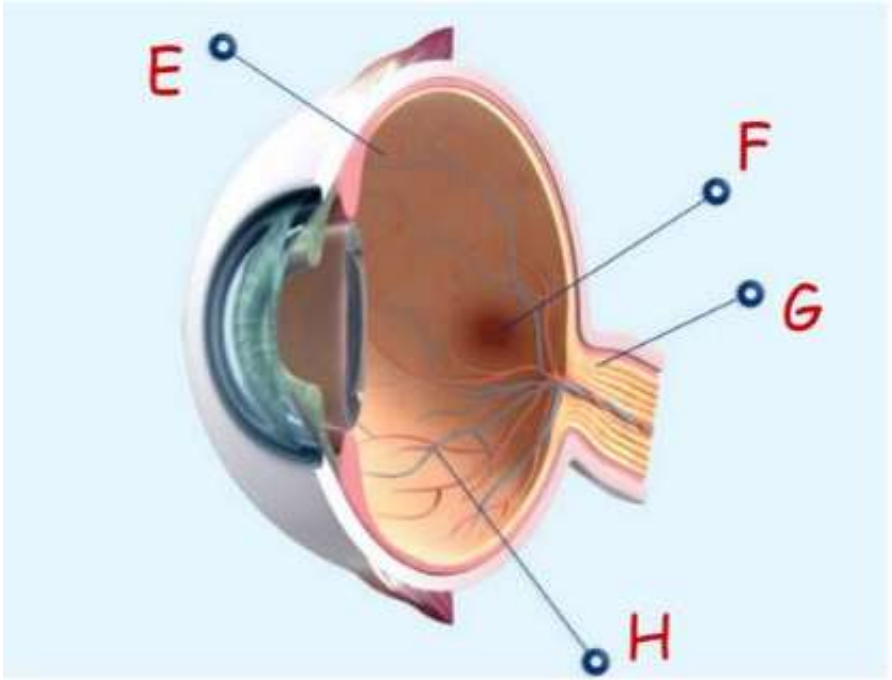
Label and define the parts of the eye above.

A.

B.

C.

D.



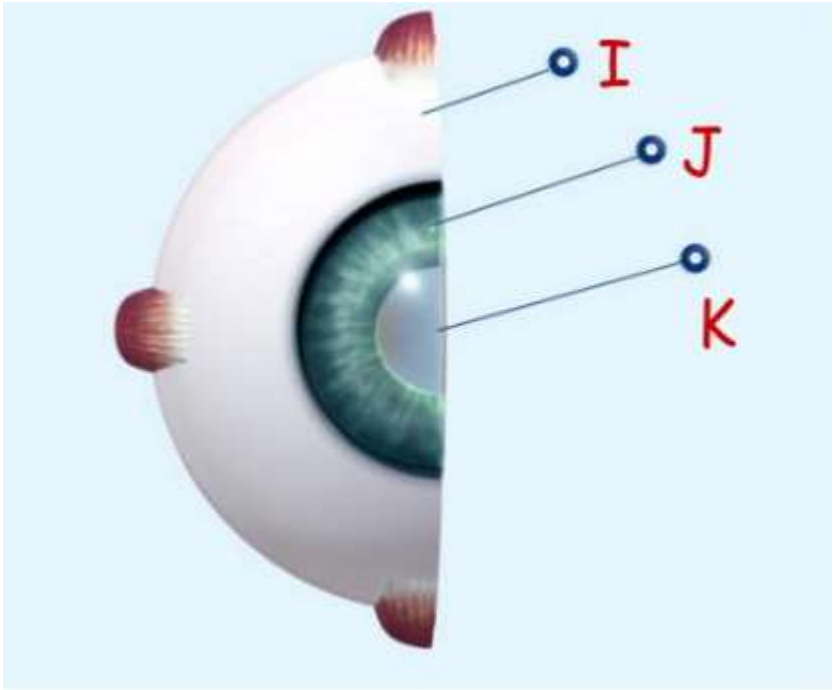
Label and define the parts of the eye above.

E.

F.

G.

H.



Label and define the parts of the eye above.

I.

J.

K.

Many people need corrective lenses for their vision. Explore the different issues people have on the left. You can look at the diagrams and watch the videos. Then answer the questions on the next page.

| | |
|---|--|
| <p><u>Nearsightedness</u></p> <ol style="list-style-type: none"> 1. <i>What is wrong with a person's eye when they are nearsighted? Explain.</i> 2. <i>How do you correct for nearsightedness?</i> | |
| <p><u>Farsightedness</u></p> <ol style="list-style-type: none"> 1. <i>What is wrong with a person's eye when they are farsighted? Explain.</i> 2. <i>How do you correct for farsightedness?</i> | |
| <p><u>Astigmatism</u></p> <ol style="list-style-type: none"> 1. <i>What is wrong with a person's eye when they have astigmatism? Explain.</i> 2. <i>How do you correct for astigmatism?</i> | |
| <p><u>Presbyopia</u></p> <ol style="list-style-type: none"> 1. <i>What is wrong with a person's eye when they have presbyopia? Explain.</i> 2. <i>At what age do people normally develop presbyopia?</i> 3. <i>How do you correct for presbyopia?</i> | |

Watch the following videos about how the eye works:

- <https://www.youtube.com/watch?v=ZH8L3i-qxuE>
- <https://www.youtube.com/watch?v=syaQgmxb5i0>

After watching the videos, **write a paragraph explaining how the eye works.** The paragraph should *trace the path light takes to the brain to enable sight.*