

## Virtual Eye Dissection

Last Name \_\_\_\_\_, First \_\_\_\_\_ per \_\_\_\_\_

### ACTIVITY 1

Start by reviewing the parts of the eye. Go to the virtual eye dissection website: Review the parts of an eye and then do the dissection.

<http://www.eschoolonline.com/company/examples/eye/eyedissect.html>

### ACTIVITY 2

Go to PHSchool.com and type the webcode: cvp-4153

Follow the directions and answer the questions.

#### Observe Light entering the eye

Does light pass through the cornea when it is placed in front of a light? \_\_\_\_\_

Why or why not? \_\_\_\_\_

#### Analyze the inside back of the eye.

What structure on the back of the eye causes the "blind spot"? \_\_\_\_\_

Why is there a blind spot there? \_\_\_\_\_

#### Think critically about the function of the cornea.

If the cornea becomes cloudy, how could this interfere with vision?

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#### Observe, analyze and make a conclusion about the lens.

What is its shape? \_\_\_\_\_

What is the function of the lens? \_\_\_\_\_

Describe how the shape of the lens is related to its function.

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#### Critical Thinking and Applications

Where are light receptors located in the eye? \_\_\_\_\_

Why is it important for the optic nerve to be connected to the retina?

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**Observe how the eye reacts to light**

How does the eye react in bright light? \_\_\_\_\_

How does the eye react in dim light? \_\_\_\_\_

What structure makes this change? \_\_\_\_\_

**Think Critically about the function of the pupil**

An optometrist will dilate a patient's eyes to see inside them. The eye doctor does this by putting eye drops that cause the patient's pupil to stay open. Why would it be difficult for the patient to step outside into bright light after having their eyes dilated?

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Now draw a terrific sketch of the eye.