

# “Focus on Eyes” Lab Sheet

Read the “Focus on Eyes” text. Use it to help you complete this lab sheet.

Label this diagram of an eye. Spell well!

**Word Bank:**

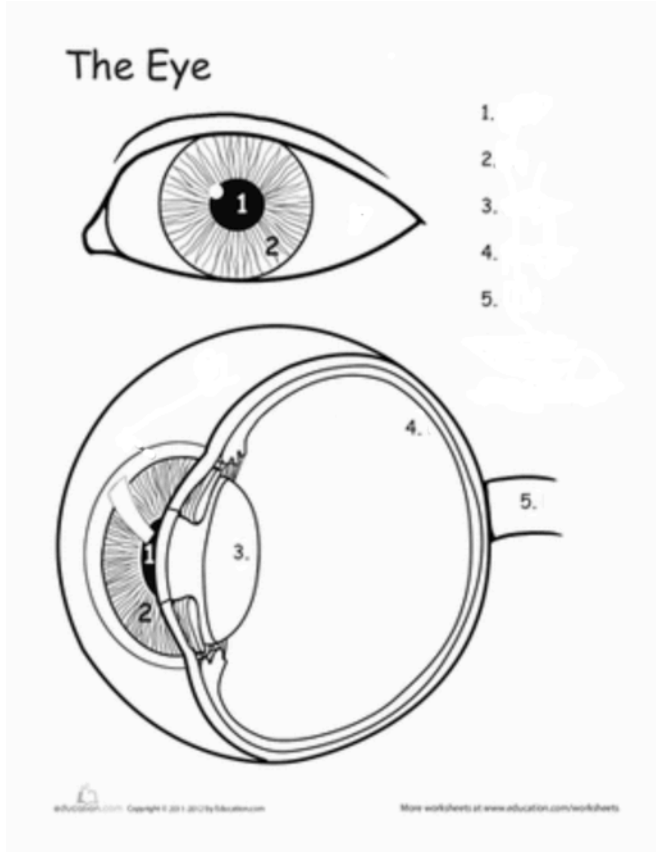
retina

iris

optic nerve

pupil

lens



Use the words from the diagram’s word bank to complete this information. Spell well!

1. First light enters your eye through an opening called the \_\_\_\_\_.
2. Next, the light is focused by the \_\_\_\_\_.
3. Then the light goes onto a surface in the back of your eye called the \_\_\_\_\_ and makes an upside-down image.
4. Finally, the image is carried to your brain by the \_\_\_\_\_.  
Your brain turns the image right side up.

# “Focus on Eyes” Lab Sheet

## Try it!

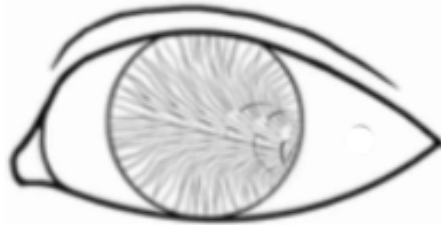
**Question:** How do eyes react to light?

**Hypothesis:** I think that my eyes will \_\_\_\_\_ when there is less light. I think that my eyes will \_\_\_\_\_ when there is more light.

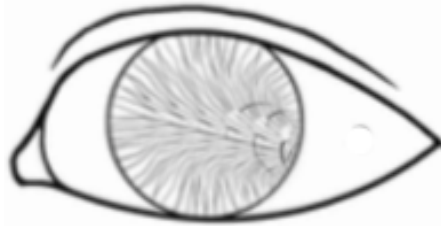
**Experiment:** Use a flashlight in a darkened room to demonstrate your eye’s reaction to light.

### Observe:

1. Turn off the lights. Allow your eyes to adjust for a few seconds. Draw the size of your pupil onto this diagram:



2. Shine a flashlight upward toward your face, so that your eye gets more light. (You don’t need to shine the light directly into your eye for this to work.) Draw the size of your pupil onto this diagram:



### Draw Conclusions:

1. How did your eye react when there was less light? \_\_\_\_\_

\_\_\_\_\_

2. How did your eye react when there was more light? \_\_\_\_\_

\_\_\_\_\_

### Apply it:

Too much light entering a person’s eyes can damage the retina. What are two things you can do to protect your eyes on a very bright day?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_