##### Human Senses Lab Data Sheet

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\*\* Remember to include the appropriate units when doing this lab. 32 points**

### Part A: Vision

# Blind Spot Determination (6 points)

1. Does the black dot disappear?
2. Using a large ruler, have your partner measure the distance (in cm) between your left eye and the page. At what distance from your left eye do you reach your blind spot?
3. Continue to move the paper strip toward you. What happens to the black dot?
4. Repeat the process using your right eye and focus on the cross. Does the black dot disappear?
5. At what distance from your right eye do your reach your blind spot?
6. What happens to the black dot as you continue to move the paper strip towards you?

# Dominant Eye Determination (2 points)

1. Which eye still sees the object through the tube? This is your dominant eye. Is it on the same side as your dominant hand?

# Near Point of Vision (2 points)

Read the directions on the instructions sheet carefully before doing this activity.

1. Near point right eye \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Near point left eye \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Afterimage (4 points)

1. Orange card: What color was the area after the card is removed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Length of time afterimage stays visible to you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Green card: What color was the area after the card is removed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Length of time afterimage stays visible to you \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Accommodation (4 points)

1. When looking at the **E** on your finger, is the **E** on the chart in focus? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. When looking at the “E on the Snellen eye chart is the **E** on your finger in focus? \_\_\_\_\_\_\_\_\_\_\_\_
2. What happens to the image of your finger when you have both eyes open while looking at the **E** on the Snellen eye chart?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Describe what appears to happen to your finger when you alternately open and close your left and right eyes while looking at the **E** on the chart.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Astigmatism (3 points)

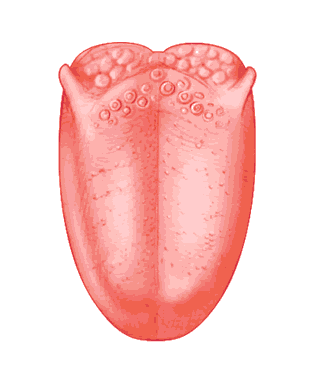
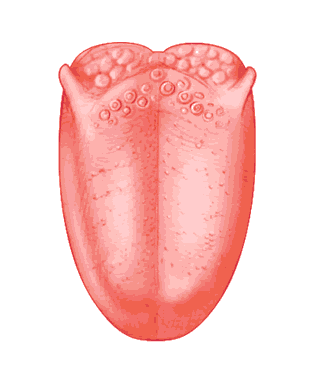
1. Do you have astigmatism in your right eye? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Do you have astigmatism in your left eye? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. If you have astigmatism and wear glasses, repeat the test with your glasses on. Do the glasses correct your astigmatism? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**OR**

1. If you have astigmatism and wear, contact lenses. Do the contact lenses correct your astigmatism? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

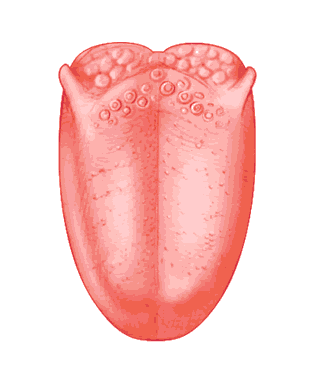
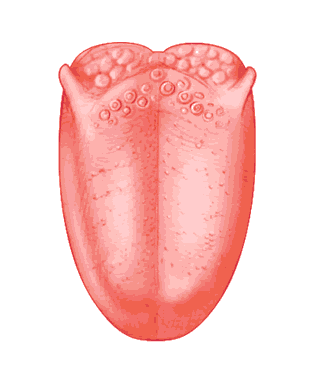
### Part B: Taste (8 points)

SWEET SOUR

SALT

BITTER



### Part C: Smell (3 points)

1. Record how long it takes for the test subject to no longer smell cloves.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Can the subject smell the peppermint? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Record how long it takes for the test subject to no longer smell peppermint.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

•At least one page covering new information learned in an article, a chapter or lab or videos or Case Study… (always add supporting details, examples, and elaborate).

•Link your new knowledge back to the broad concept of the unit.

• Include Citations and/or • Include References (just use the article names from the activity. If you use other sources, please cite. (for handwritten reflections, need site, author, title of source, date written or used.

[Rubric link](http://www.grochbiology.org/RubricforReflections.pdf) <http://www.grochbiology.org/RubricforReflections.pdf>  (  did you show reflective thinking, did you analyze the information, did you make connections outside of the article). Attach more paper if you need more space