

Name: \_\_\_\_\_ Period: \_\_\_\_\_

## Mammalian Eye Dissection PreLab

Use *An Illustrated Dissection Guide to the... Mammalian Eye* as a reference.

1. What must be done before beginning the dissection?

\_\_\_\_\_

2. What tissue needs to be removed?

\_\_\_\_\_

What tools are to be used for the removal?

\_\_\_\_\_

### External Features

3. How do you identify the following External features?

a. Pupil \_\_\_\_\_

b. Iris \_\_\_\_\_

c. Sclera \_\_\_\_\_

d. Ocular Muscles \_\_\_\_\_

e. Optic Nerve \_\_\_\_\_

### Internal Features

4. What instrument is used to make the incision? \_\_\_\_\_

5. Where is the initial incision to be made? \_\_\_\_\_

6. Describe the cut to be made into the eye: \_\_\_\_\_

7. Describe the following internal features:

a. Anterior Chamber \_\_\_\_\_

i. What type of fluid is located here? \_\_\_\_\_

b. Inner Chamber \_\_\_\_\_

i. What type of fluid is located here? \_\_\_\_\_

c. Lens \_\_\_\_\_

d. Ciliary Muscles \_\_\_\_\_

e. Vitreous Humor \_\_\_\_\_

f. Choroid Layer \_\_\_\_\_

g. Retina \_\_\_\_\_

h. Rods \_\_\_\_\_

Name: \_\_\_\_\_ Period: \_\_\_\_\_

- i. Cones \_\_\_\_\_
- j. Fovea Centralis \_\_\_\_\_
- k. Conjunctiva \_\_\_\_\_

### **Vertebrate Eyes**

8. What are the two ways vertebrates use to focus?

- a. \_\_\_\_\_
  - i. Example \_\_\_\_\_
- b. \_\_\_\_\_
  - i. Example \_\_\_\_\_

Name: \_\_\_\_\_ Period: \_\_\_\_\_