



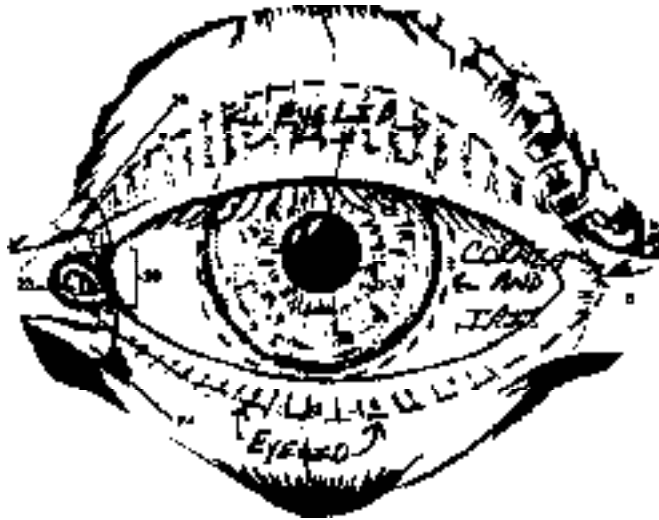
Name \_\_\_\_\_

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## THE EYE LAB

**Background:** The Eye is the sense organ that allows us to detect Electromagnetic Energy. Our eyes can only see wavelengths of **VISIBLE LIGHT**. Light rays are bent as they pass through the lens and form an image on the retina. The image is translated into nerve impulses which are sent to the brain along the optic nerve.

**Strategy:** You will dissect a **SHEEP EYE** to better understand how your own eyes work. Follow the directions carefully. Lay out the pieces on a paper towel and observe through a stereo microscope.



### Procedure:

1. Set your [the sheep's] eyeball on the dissecting tray. Circle whatever external features you can actually find. Choose from this list.  
iris    eyelid    eyelash    pupil    outer muscles    optic nerve
2. With scissors, cut away as much of the **EYELID** as you can.
3. With the razor knife, carefully cut and remove the **CORNEA** (cut around the iris).
4. Cut out and remove the donut-shaped **IRIS**.
5. Remove the **LENS** (forceps work well). Try to find the muscles that are attached to the lens.
6. Locate the **VITREOUS HUMOR** and remove most of it.