

Honors Physiology
Eye Dissection PreLab

1. Draw an eye and label the following structures: *Sclera, Cornea, Iris, Pupil, Lens, Ciliary body, Choroid, Retina, Aqueous humor, Vitreous humor, Anterior segment, Posterior segment, Optic Nerve, Optic disc, Lacrimal gland, Lacrimal duct, Eyebrow, Eyelid, Eyelash, Palpebral fissure*
2. What is the function of the **pupil**? What causes the pupil to change shape? (explain both contraction and dilation of the pupil!)
3. What is the function of the **tapedum lucidum** in animals? What is the evolutionary advantage to having this structure? Do humans have this structure? Why or why not?
4. What are the functions of the **extrinsic eye muscles**? Describe the difference between eye movements in sheep and humans (hint: think about these extrinsic eye muscles!)
5. Your **retina** contains cones and rods - what are the functions of these cells? How do the proportions of rods/cones differ in sheep and human eyes?

Use the image below for reference if needed...

