

## BIOL 1151L – Eye and Ear Identification Sheet - Spring 2009

You should be able to identify all of the following structures, and name at least one function for each, on an intact sheep's eye, dissected sheep's eye, as well as on a model of the human eye. In addition, you should be able to identify the following structures on the human ear model, and name at least one function for each. Consult your laboratory website (WebCT) to guide you, and/or use your textbook. You may also wish to view/review the Sheep's Eye Dissection Video (on reserve in the library OR purchased from Media Services located in the basement of the library)

### Sheep Eye – External

1. Sclera
2. Optic nerve
3. Extrinsic muscles
4. Cornea
5. Pupil

### Sheep Eye – Dissected

1. Vitreous humor
2. Lens
3. Iris
4. Ciliary body
5. Choroid
  - a. Tapetum lucidum
6. Retina
7. Optic disc

### Eye Model

1. Superior rectus muscle
2. Medial rectus muscle
3. Inferior rectus muscle
4. Superior oblique muscle
5. Inferior oblique muscle
6. Cornea
7. Pupil
8. Iris
9. Sclera
10. Choroid
11. Lens
12. Vitreous humor
13. Retina
14. Optic nerve

### Ear Model

1. Auricle (pinna)
2. External acoustic meatus (auditory canal)
3. Tympanic membrane
4. Pharyngotympanic tube
5. Cochlea

### Inner Ear Model

1. Tympanic membrane
2. Malleus
3. Incus
4. Stapes
5. Oval window
6. Cochlea
7. Vestibule
8. Semicircular canals
9. Round window
10. Cochlear nerve (division of VIII)
11. Vestibular nerve (division of VIII)