

General A & P

STUDY GUIDE FOR LAB PRACTICALS

INSTRUCTOR: CJ SHUSTER

<p><u>Chapter 17: Eye and Ear :</u></p> <p>A. In general, know (on models and diagrams) only the terms on these diagrams: 17.1(a only), 17.2 (a & b), 17.3, and 17.9.</p> <p>Also, pay attention to the note under "general terms".</p> <p>B. GENERAL TERMS:</p> <p>1. GENERAL TERMS: (The student is only responsible for these terms if they are covered by the instructor during the lab)</p> <p>Astigmatism Blind spot Color blindness (different types) Glaucoma Hyperopia Myopia Ophthalmoscope Be able to ID the various eye test charts</p> <p>2. EYE ANATOMY</p> <p>Anterior segment/cavity Aqueous humor Choroid Ciliary body Conjunctiva Cornea Eyelids Fovea centralis Inferior rectus muscle Inferior oblique muscle Iris Lacrimal gland Lacrimal ducts & lacrimal sacs Lateral rectus muscle Lens medial rectus muscle</p>	<p>optic disk Palpebrae Posterior cavity Pupil Retina Sclera Superior rectus muscle Superior levator palpebrae Superior oblique muscle Suspensory ligaments Vitreous humor</p> <p>3. EAR ANATOMY (* = Know function only...you do not have to ID it.)</p> <p>Auditory (Eustachian) tube Auditory ossicles Auricle Cochlea Cochlear nerve Endolymph* External auditory canal External ear Hair cells* Incus Inner ear Malleus Middle ear Oval window Perilymph* Pinnae Semicircular canals Stapes Vestibular nerve Vestibule Vestibulocochlear nerve</p>
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Guide for Ear Labs

This is a guide for what the student should learn off of the various models, dissections, etc. This is a guide only; it is not an exclusive list.

Models/Charts found in Regular Lab & Learning Lab

Whole Ear Model:

Any associated structure or other term (pinnae, etc.) you can see.

Preserved eyes (ONLY IF AVAILABLE FOR DISSECTION):

choroid	optic disk
ciliary body	pupil
cornea	retina
iris	sclera
lens	vitreous humor

“Eye on Pedestal” Model:

Any associated structure or other term (lens, etc.) you can see.

“Eye with extrinsic muscles” Model:

Any associated structure or other term (lens, etc.) you can see.

“Enlarged Eye on Pedestal” Model (shows lid, etc.):

Any associated structure or other term (lens, etc.) you can see.

Eye Charts (Snellen, astigmatism, color blindness chart):

Know what they test for, and their names. Know how to use them. Know what the numbers on the Snellen’s chart stand for (20/20, etc.). Know what to expect from the color blindness chart (e.g.: if there is a green “7” on the chart, what would a green color blind person see?)

Other

Acuity poster - know what each acuity problem entails, and what kind of lens corrects it. The “Lens Demo” will help to understand this, but it will not be on the practical.