

HUMAN ANATOMY & PHYSIOLOGY I

STUDY GUIDE FOR LAB PRACTICAL I

INSTRUCTOR: CJ SHUSTER

-you must also know all diagrams from your lab book (including associated word lists).

-you must know all microscope slides and dissections as outlined on this study guide.

-you are also responsible for the wall charts.

THIS IS A REVIEW, AND DOES NOT INCLUDE DRAWINGS, VALUES ETC. FROM THE MANUAL!!!!!! THIS IS NOT A CONTRACT!!! My only guarantee is that this will cover 90-95% of the items seen on the lab practicals.

CHAPTER 5 & 7-HISTOLOGY:

BE ABLE TO identify from slide or diagram the following types:

A. EPITHELIAL TISSUE:

epithelial
epithelium
basement membrane
simple epithelium
stratified epithelium
squamosal
cuboidal
columnar
goblet cell
pseudostratified epithelium
ciliated vs. non-ciliated
nucleus
free surface
lumen
gland/glandular epithelium

B. CONNECTIVE TISSUE:

nucleus
collagen fibers
elastin fibers
reticulin fibers
matrix
lacunae
lumen
fibrocytes
chondrocytes
osteocytes
connective tissue proper or "loose"
dense connective tissue
areolar
reticular
elastic/dense irregular elastic

dense irregular/collagenous/white
fibrous
dense regular collagenous & dense
regular elastic
adipose
cartilage
hyaline
fibrocartilage
matrix/collagen fibers/
chondrocytes in lacunae
elastic cartilage
bone/osseous tissue
compact bone
mineralized matrix
osteocytes in lacunae
central/haversian canal
osteon
haversian system
canaliculi
lamellae
spongy/cancellous bone
trabeculae

C. MUSCULAR TISSUE:

cardiac
skeletal
smooth
intercalated disks
z-lines/sarcomeres

D. NEURAL TISSUE:

dendrite
axon
cell body

Guide for Histology 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.

In general, know where each type is found, and generally what it does.

Know the slides from the images in lab book and microscope slides. Know the function and location of each.

For each type, know general category and specific type.

Models/Charts found in Regular Lab & Learning Lab

Histo List: see word list

Histo Wall Charts: see word list

Projector with histology carousel: see word list. Use this as a testing tool.

Histology book: use this as a study guide.

Histology transparencies in red binder: use this as a study guide.