

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 8 & 7-SKELETAL PLAN & OSSEOUS TISSUE:

A. SKELETAL REGIONS & BONE SHAPES:

axial skeleton
appendicular skeleton
red marrow
yellow marrow
endosteum
periosteum
epiphyses
diaphyses
epiphyseal lines or plates/metaphyses
articular cartilage
long
short
flat
irregular
sutural
sesamoid

B. FEATURES OF BONE:

body
condyle
crest
epicondyle
facet
fissure
foramen
fossa
fovea
groove/sulcus
head
line
malleolus
meatus
process
ramus

sinus
spinous process
trochanter
trochlea
tubercle
tuberosity

C. FRACTURES:

partial
greenstick
displaced
comminuted
impacted
simple
compound (open)
colles'
oblique
transverse
simple (closed)
spiral
pott's

D. OSSEOUS TISSUE (Chpt. 7):

Know all the bold-faced terms in lab. Know the image in lab book. I will test you off of the similar diagram in your lecture book, so you may want to look at it.

Off the slides: be able to ID compact & spongy bone. Know these objects off the compact bone slides: osteon, central canal, osteocyte in lacunae, canaliculi, lamellae.

Guide for Skeleton Plan Lab

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

Black Box with ½ skeleton (processes painted):

Any bone or associated structure (aponeurosis, etc.) you can see. Be able to ID bones & markings.

Disarticulated skeleton (plastic): know the types of bones and various features (condyle, facet, etc.).

Small Skeleton (plastic): same as above

Skeletal wall chart: same as above

Fetal skull: know all features that pertain to the fetus

Bone tissue chart: see "OSSEOUS TISSUES (Chpt. 7) on word list

The following models will not be in the learning lab

*these models are for guidance during regular lab period.

Long Bone (cut): Parts of the long bone, inside & out. See images in lab & lecture book.

Demonstration Box (black; marked "Carolina"): bone tissues & sections

Disarticulated Skull

Human Demo Skull (take-apart skull) with sinuses

NOTE: Only plastic skeletons will be available in the learning lab. No real bone. In regular lab, there will be 3 skeletons, show male & female variation, as well as aging. These are not available in the learning lab.

Slides: Student is responsible for compact bone under the microscope as outlined on word list. The "Bone Marrow" slide shows some spongy bone and hematopoietic tissue.

Other:

Don't forget to use the images in your lecture book or the textbooks available in the back of lab.