

General A & P

STUDY GUIDE FOR LAB PRACTICALS

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Chapter 7 Overview of skeleton :

A. In general, know all of the diagrams. Make sure you know all the terms even if found on another bone, or on a real bone.

Make sure you know the diagram on the human skeleton, although don't bother memorizing every bone...you are going to have to know them all in the next 2 chapters.

B. GENERAL TERMS:

1. BONE TISSUE: Gross

Appendicular skeleton
Articular cartilage
Axial skeleton
Compact
Diaphyses (proximal & distal)
Endosteum
Epiphyseal lines or plates/metaphyses
Epiphyses
Flat
Irregular
Long
Medullary cavity
Periosteum
Red marrow
Short
Spongy
Yellow marrow

2. BONE TISSUE: Microscopic

Canaliculus
Central canal
Lacunae
Lamellae
Osteocyte
Osteon/Haversian system

3. BONE FEATURES:

Condyle
Crest
Epicondyle
Facet
Fissure
Foramen
Fossa
Groove (sulcus)
Head
Line
Meatus
Process
Ramus
Sinus
Spine
Trochanter
Tubercle
Tuberosity

B. Also know:

-Skip these activities: "Comparing Relative Contributions..." and "Effects of Heat & Nitric Acid". You are not responsible for a slide of compact bone.

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 “BONE TISSUES” 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. This may be on the practical.

Demonstration Box (black; marked “Carolina”): bone tissues & sections (this will not be on practical)

Disarticulated Skull (this will not be on practical)

Human Demo Skull (take-apart skull) with sinuses (this will not be on practical)

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 (this or other wordlists).

Other:

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