

Anatomy & Physiology

Unit 4: Skeletal System

- ⌘ Be able to describe the different classifications of bones.
- ⌘ Be able to identify all of the functions of bones.
- ⌘ Be able to identify the four different types of bone cells.
- ⌘ Be able to identify/describe bone markings.
- ⌘ Be able to identify the six major types of bone fractures and how they are caused.
- ⌘ Be able to identify all bones and markings for both the axial and appendicular skeleton as listed on the 2017-2018 Bone List.
- ⌘ Be able to identify and describe the major body movements as they pertain to the joints and anatomical position.
- ⌘ Be able to identify the major classifications of joints, and the general category of each.
- ⌘ Be able to create and explain a unique secret handshake utilizing all major synovial joints to explain the major body movements observed.

Key Terms:

***See Bone List 2017-2018

Axial Skeleton

Appendicular Skeleton

Long Bone

Short Bone

Irregular Bone

Flat Bone

Osteogenic

Osteoblast

Osteocyte

Osteoclast

Osteocalcin

Tuberosity

Crest

Trochanter

Line

Tubercle

Epicondyle

Spine

Process

Head

Facet

Condyle

Foramen

Notch

Meatus

Fossa

Comminuted Fracture

Compression Fracture

Spiral Fracture

Epiphyseal Fracture

Depressed Fracture

Greenstick Fracture

Synarthroses

Amphiarthroses

Diarthroses

Fibrous Joint

Cartilaginous Joint

Synovial Joint

Plane Joint

Saddle Joint

Condylar Joint

Ball and Socket Joint

Hinge Joint

Pivot Joint

Flexion

Extension

Hyperextension

Hyperflexion

Circumduction

Eversion

Inversion

Rotation

Plantar Flexion

Dorsi Flexion

Pronation

Supination

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	20	21	22	23	24	25
	Intro Bones Axial Bones #1-32	Axial + Appendicular Shoulder #33-74 Body Movements	Break HW Reading Part 1 Classification & Function of Bones pg. 174-177 Reading Part 1 Bone Cell Types pg 179 Reading Part 1 Bone Markings pg 180 Reading Part 1 Bone Fractures pg 190 Part 2: As needed to help review Reading Part II, pages 201-234 A poster should be completed for each of the following: Classification & Function of Bones Bone Markings Bone Fractures Complete Axial and Appendicular Pages Assigned from Class			
26	27	28	29	30	1	2
See above for Break HW	Appendicular #75-123 Turn in Posters from Break HW Reading Pt 2, #256-261	Appendicular #124-157 Joint Secret Handshake Assignment	Practice 1-157 on Bones Highly recommend you use your bone list and practice the bones in class. Your practical assessment will be on these bones. ***Some bones may be tested on pictures instead.			HW: Independent Practice; lot's of resources online!
3	4	5	6	7	8	9
	Fractures Joints Set Up for Joint Secret Handshake Assignment Video	Bone Scavenger Hunt Quiz Practice Bones Joint Secret Handshake Assignment Video	Bone Scavenger Hunt Quiz Practice Bones Joint Secret Handshake Assignment Video	Bone Scavenger Hunt Quiz Practice Bones Joint Secret Handshake Assignment Video	XC Review Game Practical	Unit 4 Exam Written + Practical