**Skeletal System Study Guide 1**

Components of the skeletal system

bones

joints

cartilages

ligaments

two subdivisions of the skeleton – define and know the bones

axial

appendicular

functions of the skeletal system - explain

support

protection

movement

storage

blood cell formation

classification of bones – explain and give examples

compact

spongy

shape

Anatomy of a long bone

Diaphysis

Epiphysis

Ephpyseal line

Medullary cavity

Articular cartilage

Periosteum

Endosteum

Nutrient arteries

Bone markings

be able to recognize/categorize which are projections and which are depressions

what do bone markings represent?

microscopic anatomy

type of tissue

organic and inorganic components

arrangement of osteons in a long bone

substructures of osteons

structure of spongy bone

difference between osteoblast, osteocyte and osteoclast

Bone Formation, growth, remodeling

Know the steps

Difference between longitudinal and appositional growth

Bone fractures

Types of fractures

Basic steps of repair

Bones of the skeleton

Know all names and whether they are axial or appendicular

don't worry about naming all the bone markings unless specified

do know which bones articulate with each other, and relative positions using language of anatomy

Skull

major bones of the skull

know what a sinus is and function

sutures and fontanels

Spine

regions of the spine

curvatures of the spine

abnormal curvatures of the spine

intervertebral discs – where/what are they, what kind of tissue

Thoracic cage

Number of ribs

Classification of ribs as true, false, floating

Type of cartilage and purpose of cartilage

Joints

functional and structural classification

types of synovial joints and their actions

Homeostatic imbalances

bursitis

sprain

arthritis

gout

osteoporosis