Anatomy & Physiology STUDY GUIDE

mr e ~ SRCS chapter 6 test

 60 multiple choice

**A&P chapter 6: Bone Tissue**

**vocab**

epiphysis

metaphysis

diaphysis

medullary cavity

epiphyseal plate

epiphyseal line

articular cartilage

hyaline cartilage

periosteum

endosteum

osteogenic cell

osteoblast

osteocyte

osteoclast

lacuna

canaliculus

concentric lamellae

osteon

bone resorption

bone deposition

fractures: open

 comminuted

 impacted

 greenstick

 stress

Colles'

red marrow

yellow marrow

Volkmann's canal

trabeculae

compact bone

spongy bone

endochondral ossification

intramembranous ossification

hematopoiesis/hemopoiesis

circumferential lamellae

osteogenic sarcoma

rickets

osteomalacia

osteoarthritis

osteopenia

osteoporosis

osteomyelitis

giantism

acromegaly

pituitary dwarfism

erythema

**Things you MUST know:**

1. Vocab, vocab, vocab!
2. Parts of a long bone.
3. Know each of the bone cells and be able to differentiate between them by description,, function, and picture.
4. Bone is a dynamic tissue. What does this mean?
5. Which type of bone is remodeled more quickly--spongy or compact? Why?
6. Which two minerals are essential to bone growth?
7. During adulthood, which compounds contribute to bone remodeling and growth?
8. Be familiar with the different types of fractures so as to distinguish by both verbal and drawing/x-ray.
9. Be aware of how a person's employ and societal status could manipulate their skeleton such that, if their remains were unburied and inspected, an archaeologist could come up with some estimation as to what they did or which economic status they occupied.
10. Study the diagrams below as any structure is fair game.
11. Distinguish between the types of ossification by their pictured step-by-step processes.
12. Be able to distinguish between bone growth, hematopoiesis, and fracture repair if pictured step-by-step processes are provided.
13. Clinical connections: be able to distinguish between each condition-by verbal description or photo (if discernable).
14. What is stored in the medullary cavity for use by other tissues in the body?
15. Major functions of the skeletal system.

**Diagrams With Which To Be Familiar**









