**Review for Anatomy Mid-term**

**IMPORANT: All open ended question are to be in COMPLETE sentences. Any sentence that starts with the words “it” or “because” will be marked wrong.**

**Chapter 1:** Introductions to Anatomy

1. Terminology
   1. Directional
      1. Distal
      2. Proximal
      3. Medial
      4. Lateral
      5. Dorsal
      6. Ventral
      7. prone
      8. supine
   2. sectional
      1. Sagittal
      2. Transverse
      3. Frontal
2. Homeostasis
   * 1. What is it?
     2. Why is it important?
     3. Negative feedback
     4. Positive feedback
     5. Normal vs. abnormal variations
3. Organ Systems
   1. Be able to name ALL eleven systems
   2. Be able to identify representative organs
4. Define anatomy and physiology and the differences between them
5. Anatomical position and its importance

**Chapter 4:** Tissues

* + - 1. Identify the four primary tissue types and their functions
      2. Be able to identify the location of the different tissue types
      3. Identify the components of connective tissue
      4. Know the three classes of connective tissue and examples
         1. Supporting
         2. Fluid
         3. Connective tissue proper
      5. Know the different types of glandular secretions
         1. Apocrine
         2. Merocrine
         3. Holocrine

1. Identify the three different types of cartilage

**Chapter 6:** Osseous Tissues

* + - 1. Function of skeletal system
      2. Identify the different shape of the bones
         1. Flat
         2. Irregular
         3. Long
         4. Short
         5. Sesamoid
         6. Sutural
      3. Different types of bone
         1. Compact

Function

Location

Stress

Type of marrow and their functions

Red marrow

Yellow marrow

* + - 1. Spongy bone aka. Cancellous bone

Function

Location

Stress

Type of marrow and their functions

* + - * 1. Red marrow
        2. Yellow marrow
      1. The difference between the different areas of the bone
         1. Epiphysis
         2. Diaphysis
         3. Metaphysic
      2. Know the difference between:
         1. Ossification
         2. Calcification

7. Know the difference between the different pathological states:

a. osteopenia

b. osteoporosis

c. osteomyelitis

d. osteitis deform

8. Know the relationship between calcitonin and its effect on calcium levels (HINT:homeostasis)

9. Know the effects of exercise on bone.