

Skeletal System Review

1. Identify the five functions of the skeleton. Pg 136
2. Identify the 40 types of bones on the human skeleton. Handout, pg 147 - 150
3. Which bones are part of the axial and the appendicular skeleton?
4. Are you able to classify bones by their general shape? (long, short, flat, irregular)
5. Could you explain the following terms? Could you identify them on an image?
 - a. periosteum
 - b. Long bones pg 137
 - i. Diaphysis, distal epiphysis, proximal epiphysis, bone marrow, compact bone, spongy bone
 - c. Bone cells pg 138
 - i. Osteon, Haversian canal, trabeculae
6. Explain the difference between osteoblasts, osteocytes and osteoclasts.
7. Can you explain the difference between the two types of ossification that produces bone?
 - a. Intramembranous ossification
 - b. Endochondral ossification
8. How is a bone repaired by the body after injury? Pg 143
9. Can you describe or identify the following about articulations (joints)?
 - a. different types
 - i. structural classification
 1. fibrous, cartilaginous, synovial
 - b. types of synovial – can you describe the joint & identify specific examples of each type
 - i. plane (or gliding), hinge, pivot, ellipsoidal, saddle, ball-and-socket
 - ii. Knee joint – identify the following on a diagram of the knee: patella, femur, fibula, tibia, anterior cruciate ligament (ACL), posterior cruciate ligament (PCL), Meniscus Surgical booklet, Pg 175
10. Diseases & disorders – can you explain the following:
 - a. Osteoarthritis, rheumatoid arthritis, osteoporosis, fracture (open, closed)
11. Knee replacement surgery: Surgery booklet
 - a. Can you explain the surgical process (10 steps)
 - b. Can you identify the job in the OR of the following OR personnel?
 - i. Surgeon, anesthesiologist, Physician assistant, Circulating or scrub nurse/tech, Sales representatives