

Skeletal System Review

1. Can you five functions of the skeleton? Pg 136
2. Are you able to identify the 40 types of bones on the human skeleton?
Handout, pg 147 - 150
3. Could you divide the skeleton into axial and appendicular?
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 pg137
 - i. Diaphysis, distal epiphysis, proximal epiphysis, bone marrow, compact bone, spongy bone
 - c. Bone cells pg 138
 - i. Osteon, Haversian canal, Lamellae, Lacunae, canaliculi, trabeculae
6. Could you 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. Can you describe how a bone is repaired by the body after injury? Pg 143
9. Can you describe or identify the following about joints?
 - a. different types
 - i. structural classification
 1. fibrous, cartilaginous, synovial
 - ii. functional classification
 1. immovable (synarthroses), slightly movable (amphiarthroses), freely movable (diarthroses)
 - b. types of synovial – can you describe the joint & identify specific joints
 - i. plane (or gliding), hinge, pivot, ellipsoidal, saddle, ball-and-socket
10. Diseases & disorders – can you explain the following
 - a. Osteoarthritis, rheumatoid arthritis, osteoporosis, fracture (open, closed)
11. Knee replacement surgery – can you explain the process (10 steps – booklet)