**Unit 1 Study Guide**

1. Describe the 4 types of tissues
	1. Epithelial \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Connective \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Muscle \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. Nervous \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which types of muscles are:
	1. Voluntary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Involuntary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Striated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. NonStriated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Describe Anatomical Position
4. How do each of the following planes divide the body in half
	1. Sagittal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Transverse \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Frontal \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Define the following directional terms
	1. Anterior
	2. Posterior
	3. Dorsal
	4. Ventral
	5. Medial
	6. Lateral
	7. Superior
	8. Inferior
	9. Cephalic/Cranial
	10. Caudal
	11. Proximal
	12. Distal
	13. Deep
	14. Superficial
6. Be able to label all 4 abdominal quadrants
7. Be able to label all 9 abdominal regions
8. Know the name for the following microscopic cells:
	1. bone cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. bone forming cell\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. bone resorbing cell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. What are the 5 main functions of the skeletal system?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. What 2 minerals are stored in the bones?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. Identify the components of the Axial system
12. Identify the components of the appendicular system
	1. Know the names of all the long bones
	2. Know the bones that make up the pectoral girdle
	3. Know the bones that make up the pelvic girdle
13. Identify what these are and where their anatomic location is:
	1. Patella
	2. Frontal bone
	3. Mandible
	4. Radius
	5. Ulna
	6. Tibia
	7. Scapula
	8. Fibula
	9. Parietal Bone
	10. Occipital Bone
	11. Temporal bone
	12. Maxilla
	13. Metatarsals
	14. Tarsals
	15. Ribs
	16. Humerus
	17. Calcaneous
	18. Mastoid Process
	19. Cervical, Thoracic, and Lumbar Vertebrae
	20. Sacrum
	21. Medial Malleolus
	22. Lateral Malleolus
	23. Iliac Crest
	24. Metacarpals
	25. Carpals
	26. Femur
	27. Phalanges
	28. Clavicle
	29. Coccyx
	30. Nasal bone
	31. Zygomatic arch
	32. Xiphoid process
	33. Pubis symphysis
	34. Recognize the components of the long bones
		1. Diaphysis
		2. Endosteum
		3. Epiphysis
		4. Periosteum
		5. Spongy bone
	35. What is the purpose of the bursae/synovial fluid?
14. What are the 6 flat bones of the skull?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	7. What is the only movable bone in the skull?
	8. Soft spots on the infant skull are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. Know the terms of movement
	1. Flexion
	2. Extension
	3. Abduction
	4. Adduction
	5. Rotation
	6. Circumduction
	7. Pronation
	8. Supination
16. Joints:
	1. Know the four types of moving (diarthroses) joints:
		1. Ball/socket
		2. Gliding
		3. Hinge
		4. Pivot
	2. Know the partially movable (amphiarthroses) joints:
		1. Ribs/spine and symphysis pubis
	3. Immobile Joints (synarthroses) - cranium/skull
17. Recognize the different abnormal curvatures of the spine
	1. Hunchback = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Swayback = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Spine curved from side to side = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. Know the common injuries of the appendicular system and the symptoms and treatment
	1. Definition of Fractures:
		1. Greenstick fractures \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		2. Compound fracture \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		3. Comminuted fracture \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		4. Closed (simple) fracture \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Know the difference between a closed reduction corrective procedure and an open reduction procedure
	3. What is the purpose of casting a bone after a fracture? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. Other injuries:
		1. Sprains
		2. Dislocations
19. Be able to identify the cause/symptoms and treatment of the following diseases of the skeletal system:
	1. Osteomalacia
	2. Osteoma
	3. Osteomyelitis
	4. Osteoporsis
	5. Osteoarthritis
	6. Rheumatoid arthritis
	7. Gout
	8. Rickets