



HUMAN BIOLOGY
SKELETAL SYSTEM --- ASSIGNMENT 1
(pages 178 - 183)

1. Name the three tissues of the skeletal system and give their function:
 - a. _____
 - b. _____
 - c. _____
2. Bone is strong because: _____
3. What are the two types of bone? _____ and _____ How do they differ? _____
4. What is the function of bone marrow? _____
5. How does cartilage differ from bone? _____

6. Why is cartilage well-suited for padding joints? _____

7. What is a disadvantage of cartilage? _____
8. The three types of cartilage are categorized based on: _____

9. Name, describe and give an example location of the three types of cartilage:
 - a. _____
 - b. _____
 - c. _____
10. What are the two types of fibrous connective tissue? _____ and _____
_____. What is another name for a joint? _____
11. Define the following terms:
 - a. Osteocytes _____
 - b. Canaliculi _____
 - c. Lacunae _____

- d. Chondrocytes _____
- e. Epiphysis _____
- f. Articular cartilage _____
- g. Diaphysis _____
- h. Medullary cavity _____
- i. Periosteum _____
- j. Osteoprogenitor cells _____
- k. Osteocytes _____
- l. Osteoblasts _____
- m. Osteoclasts _____
- n. Ossification _____
- o. Intramembranous ossification _____
- p. Endochondral ossification _____
- q. Growth plate _____

12. Name and describe the four stages of bone repair:

- a. _____
- b. _____
- c. _____
- d. _____

13. Explain the difference between:

- a. Complete and incomplete fracture _____

- b. Simple and compound fracture _____

- c. Impact and spiral fracture _____

14. Have you ever had a fracture of a bone? _____ If yes, what kind of fracture was it? _____