

**BONES REVIEW**

List the 4 main functions of the skeletal system:

- 1.
- 2.
- 3.
- 4.

Bone is living tissue. Bone contains bone tissue, \_\_\_\_\_, dense connective tissue and \_\_\_\_\_ and nervous tissue.

\_\_\_\_\_ is comprised of tightly packed tissue that is strong, solid, and resistant to bending.

\_\_\_\_\_ consists of numerous branching bony plates. Irregular interconnected spaces occur between these plates, thus reducing the weight of the bone.

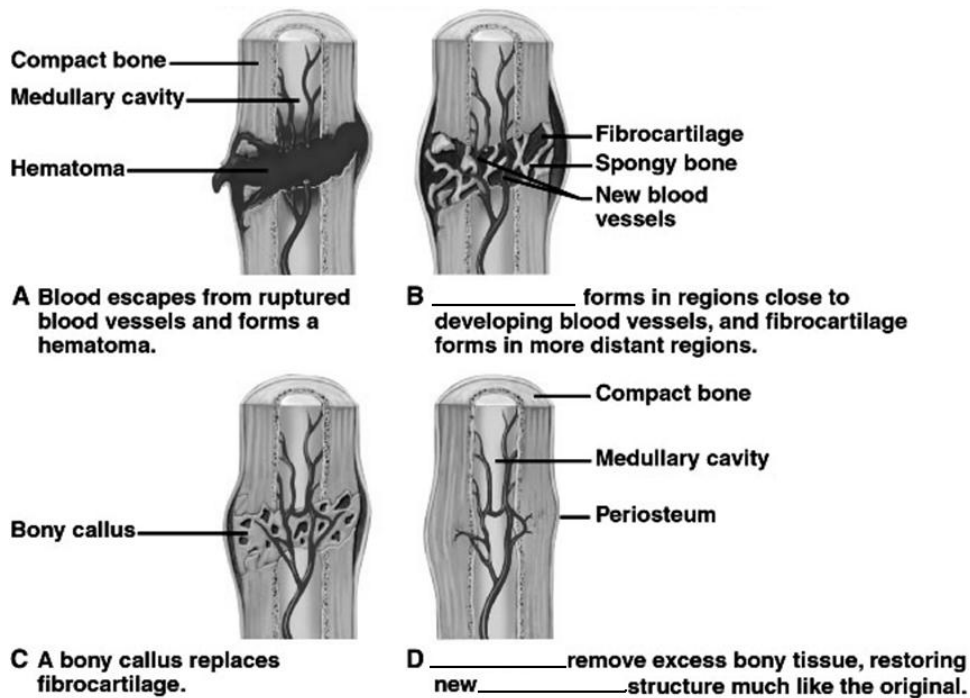
Osteoclasts are types of \_\_\_\_\_ that remove damaged cells and release calcium into blood

Osteoblasts are types of \_\_\_\_\_ that remove calcium from blood and build new matrix.

Foods rich in **Vitamin D** are necessary for proper absorption of \_\_\_\_\_ in the small intestine. If this is lacking, *rickets* can develop or *osteomalacia* in adults. **Vitamin A** is necessary for bone resorption during normal development.

**Vitamin C** is needed for collagen synthesis. Lacking either Vitamin A or C can hinder normal bone \_\_\_\_\_.

Physical exercise pulling on muscular attachments to bone stimulates bone \_\_\_\_\_. The pulling stresses the bone and stimulates the bone tissue to thicken and strengthen.



List the bones on the skeleton with the corresponding numbers.

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

7 \_\_\_\_\_

8 \_\_\_\_\_

9 \_\_\_\_\_

10 \_\_\_\_\_

11 \_\_\_\_\_

12 \_\_\_\_\_

13 \_\_\_\_\_

14 \_\_\_\_\_

15 \_\_\_\_\_

16 \_\_\_\_\_

17 \_\_\_\_\_

18 \_\_\_\_\_

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