

Name: _____

Date: _____

Period: _____

Directions: Read pages 518 to 533 in your Life Science Text, and answer the following questions. Place your completed page in the basket for your class period.

1. Explain the relationships between cells, tissues, organs, and organ systems.

2. Compare four kinds of tissue found in the human body.

3. Describe a time when homeostasis was disrupted in your body. Which body systems do you think were affected?

4. Describe the four important functions of bones.

5. Draw a bone and label the inside and outside structures. Label spongy bone, blood vessels, marrow cavity, compact bone, and cartilage.

6. List three hinge joints in your body.

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7. List three types of muscle tissue and describe their functions in the body.

8. Compare aerobic exercise with resistance exercise and give two examples of each.

9. Bones are moved by _____ muscle.

10. When _____ muscles contract, they cause parts of your body to bend.

11. Most of your skeleton starts out as _____, which is later replaced by bone.

12. What type of tissue is made up of cells that can contract and relax?

13. Muscles cause bone to move when

14. Ligaments are the connective tissues that attach

15. Summarize the function of the four types of tissues and draw a sketch for each.

16. Unlike humans, bird bones have air filled cavities. What advantage does this give birds?

17. Compare the shape of the bones in the human skull with the shape of the bones in the human leg. Why is their shape important?
