

Name: _____ Date: _____

Chapter 4 - Lesson 1 Anatomy & Physiology of Animals

Questions

1. Define anatomy.

2. Define gross anatomy, microscopic anatomy, and developmental anatomy.

3. List the ten systems of the animal body.

4. Describe the movement of blood through the heart.

5. List the major functions of the heart.

6. List the components of the lymphatic system.

Fill-in-the-Blank

7. The _____ system includes the skin and several modified skin structures.
8. All of the bones in the body comprise the _____ system.
9. The heart is located in the _____ cavity.
10. The skin consists of two layers of tissue: the _____ and _____.
11. The cardiovascular system consists of the heart and _____.
12. _____ are small blood vessels that permit exchange between the blood and tissues.
13. The system _____ includes all of the organs involved in the prehension, digestion, and absorption of food.

Matching

14. _____ Integumentary system
15. _____ Epidermis
16. _____ Dermis
17. _____ Joints
18. _____ Ligaments
19. _____ Tendons
20. _____ Muscles
21. _____ Flexion
22. _____ Arteries
23. _____ Veins

- a. Connect bone to bone
- b. Attach muscles to bone
- c. Collection of elongated cells that have the ability to contract and expand
- d. Bending of the joint or limb by contraction of the muscle
- e. Provides the first line of defense against harmful agents and helps regulate body temperature
- f. Superficial covering of stratified squamous epithelium
- g. Deeper layer of dense, irregular connective tissue
- h. Carry blood from the heart to the rest of the body
- i. Return blood from the body to the heart
- j. Form the junction between two or more bones