

Name _____ Date _____ Per _____

Study Guide Chapters 35 – 37

Human Systems

Use the Study Guide Chapter summaries to answer the following questions.

35-1 Human Body Systems

1. What are the levels of organization in a multicellular organism?
2. _____ are the basic units of structure and function in living things.
3. Identify what each tissue type does:
 - a. epithelial tissue
 - b. connective tissue
 - c. nervous tissue
 - d. muscle tissue
4. What is homeostasis the process of?
5. Give an example of negative feedback.

35-2 The Nervous System

6. What is the function of the nervous system?
7. What is a neuron and what does it do?
8. Identify the functions of the following parts of a neuron:
 - a. dendrites
 - b. axon
9. Explain how an impulse begins.
10. What is a synapse?

36-1 The Skeletal System

11. What are the five functions of the skeletal system?

12. Name and describe the two parts of the skeleton.

13. What is a joint?

14. What is a ligament?

36-2 The Muscular System

15. Where is skeletal muscle tissue found?

16. What does skeletal muscle tissue do?

17. Where is smooth muscle found?

18. What does smooth muscle do?

19. Where is cardiac muscle found?

20. What does cardiac muscle do?

36-3 The Integumentary System

21. What is the organ of the Integumentary system?

22. What are four functions of the Integumentary system?

23. Name the two layers of the skin.

24. What two substances are produced by the epidermis **and** what do they do?

25. What are the structures of the dermis?

26. How does the dermis help maintain homeostasis?

37-1 The Circulatory System

27. What are the organs of the circulatory system?
28. What are the functions of the circulatory system?
29. What is the name of the upper chambers of the heart and what do they do?
30. What is the name of the lower chambers of the heart and what do they do?
31. What are the three types of blood vessels and what does each do?

37-2 Blood and the Lymphatic System

32. What is plasma and what does it do?
33. What are the three cellular components of blood and what does each do?

37-3 The Respiratory System

34. What is the function of the respiratory system?
35. What is breathing?
36. What controls breathing rate?