

Unit 9

Study Guide

Name

Date

Period

Directions: There are 3 major sections for this unit. Fill in the following information below as a study guide for your unit. You will receive 5 extra credit points on your test if you turn this in 100% completed on the day of the exam. Your responses need to be close to the real answer and all questions must be answered to receive credit.

PART 1: Systems of the body (Lesson 9.1):

1. List the twelve systems below.
2. What is the function of the respiratory system?
3. What are the organs associated with the respiratory system?
4. What important protein helps distribute oxygen throughout the body (we discussed this last semester!)?
5. What is the function of the lymphatic system?
6. State the functional unit of the kidney.
7. What is the function of the nervous system?
8. What are the organs associated with the nervous system?
9. What is the function of the endocrine system?
10. What is the purpose of hormones?
11. Name three glands.
12. What is the function of the digestive system?
13. What are the organs associated with the digestive system?
14. What is the function of the excretory system?
15. What organs are associated with the excretory system?
16. What is the function of the skeletal system?

PART 2: Nervous System (lessons 9.2 and 9.3)

17. A stimulus often triggers a response. Explain the terms stimulus and response.
18. Many body processes are controlled by negative feedback or feedback loops. Why is it a **loop**? You may use a drawing to help illustrate your answer.
19. Give an example of negative feedback.
20. What is a neuron?
21. Draw and label the parts of a neuron below.
22. List the three types of neurons.
23. Explain the difference between the three neurons.

PART 3: Immune System (lessons 9.4 and 9.5)

24. What is the function of the immune system?
25. What is a macrophage?
26. What is the role of histamines in immune system response?
27. Explain the difference between an antigen and an antibody. Draw a picture to aid in your explanation.
28. What is an epidemic? Give an example to aid in your explanation.
29. How can diseases be transmitted?