

# Second Quarter Study Guide

1. What is the function of skeletal system?
2. What is the function of the nervous system?
3. Describe fight or flight response and the system that it belongs to.
4. What is the function of the reproductive system?
5. How is homeostasis maintained by the integumentary system?
6. What is the function of the muscular system?
7. What are the three statements of cell theory?
8. What is the function of the endocrine system?
9. What is the function of the excretory system?
10. What is the path of urine through the body?
11. What is the function of the integumentary system?
12. What is the function of the digestive system?
13. Describe where and how physical and chemical digestion occurs.

14. What is the function of the respiratory system? Place the following in order 1-6

Trachea      Nose and Mouth      Bronchi      Alveoli      Lungs      bronchioles

15. What is the function of the circulatory system?

16. What are the organelles that provide energy for the cells activities?

17. What system uses the most energy?

18. Where does energy transformation occur in a cell?

19. Place these levels of organization in order 1-9 from smallest to largest

Organ \_\_\_\_\_ cell \_\_\_\_\_ gene \_\_\_\_\_ nucleus \_\_\_\_\_ DNA \_\_\_\_\_  
Chromosome \_\_\_\_\_ Organism \_\_\_\_\_ Tissue \_\_\_\_\_  
Organ System \_\_\_\_\_

20. How can looking at parents traits help us estimate what the offspring will look like?

21. What are three types of muscle tissue? \_\_\_\_\_

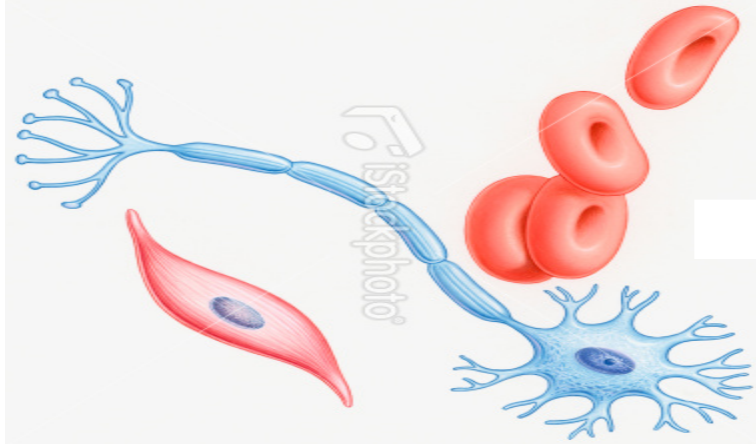
22. Name a response by various body systems by the following stimuli.

Infection - \_\_\_\_\_ system \_\_\_\_\_  
Exercise - \_\_\_\_\_ system \_\_\_\_\_  
Fever - \_\_\_\_\_ system \_\_\_\_\_  
Scared \_\_\_\_\_ system \_\_\_\_\_  
Indigestion \_\_\_\_\_ system \_\_\_\_\_

23. Name a system that are involved with

Blood Vessels \_\_\_\_\_ Lungs \_\_\_\_\_  
Heart \_\_\_\_\_ Alveoli \_\_\_\_\_  
Endocrine Gland \_\_\_\_\_ Skin \_\_\_\_\_

24. Identify the nerve cell, blood cell and muscle cell



25. What is the formula for work? \_\_\_\_\_ What has to happen in order for work to occur? \_\_\_\_\_

26. Diagram and label the digestive system.

27. Where is the genetic material located in a eukaryotic cell?

28. Describe the energy transformation in how the body is moved during an activity

29. Describe the energy transformation during digestion