Animal Physiology Notesheet

Name: Hour Date:

1. Define homeostasis:   
     
   \_
2. The most basic unit of life is a .
3. What is a tissue?   
     
   \_
4. What is an organ?   
     
   \_
5. What is a system?   
     
   \_
6. There are \_\_\_\_\_\_\_ major systems in the body.
7. As cells begin to divide after fertilization, three distinct layers of cells begin to form. List and describe them below:  
     
   \_   
     
   \_   
     
   \_
8. What are the four kinds of tissue in the body?   
     
   \_
9. What is epithelial tissue?
10. List and describe the 3 functions of epithelial tissue:   
      
    \_   
      
    \_   
      
    \_
11. List and describe the 3 functions of connective tissue:   
      
    \_   
      
    \_   
      
    \_
12. What are examples of connective tissue?
13. What is muscle tissue?
14. How does muscle tissue contract?   
      
    \_
15. What are the 3 kinds of muscle tissue? List and describe below:  
      
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    \_   
      
    \_
16. What is nervous tissue?
17. How does nervous tissue send an electrical signal?   
      
    \_
18. What organs are made of nervous tissue?
19. Organs are made up of
20. This tissue will form an
21. Organs together will form , or a collection of   
      
    \_
22. List the organ systems of the body:   
      
    \_   
      
    \_
23. What is the purpose of the circulatory system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
24. What is the purpose of the respiratory system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
25. What is the purpose of the digestive system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
26. What is the purpose of the urinary system?   
      
    \_   
    1. What would happen if the body’s fluids were too dilute?   
         
       \_
    2. What would happen if the body’s fluids were too concentrated?   
         
       \_
    3. What organs are in this system?   
         
       \_
27. What is the purpose of the musculoskeletal system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
28. What is the purpose of the immune system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
29. What is the purpose of the nervous system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
30. What is the purpose of the endocrine system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
31. What is the purpose of the reproductive system?   
      
    \_   
    1. What organs are in this system?   
         
       \_
32. What is the purpose of the integumentary system?   
      
    \_   
    1. What organs are in this system?