

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_ Essay: Homeostasis

Page 229-231

1. Why don't you faint when you stand up?

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2. Why can you still walk if you skip lunch?

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3. Maintaining conditions under narrow limits is called?

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4. How do amoeba eliminate wastes since they have no organs or systems?

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Maintaining homeostasis is the difference between

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and

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6

What 2 things are required to maintain homeostasis?

1. \_\_\_\_\_

2. \_\_\_\_\_

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7. What does involuntary mean?

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What example was given?

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8. How does the body respond to cold temperatures?

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Name \_\_\_\_\_

Block \_\_\_\_\_

Date \_\_\_\_\_

Group \_\_\_\_\_

Essay-Careful Coordination (p. 231)

a. The nervous system is responsible for both automatic and voluntary responses. What is the difference between the two? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. What is the job of the endocrine system? \_\_\_\_\_  
\_\_\_\_\_

c. What are hormones? \_\_\_\_\_  
\_\_\_\_\_

d. If hormones travel through the blood stream and come in contact with all the body's cells, why do they only cause responses in specific cells? \_\_\_\_\_  
\_\_\_\_\_

e. When is the hormone vasopressin produced? \_\_\_\_\_  
\_\_\_\_\_ What effect does vasopressin have on  
the amount of urine produced? \_\_\_\_\_  
\_\_\_\_\_ How is this an example of homeostasis? \_\_\_\_\_  
\_\_\_\_\_

f. List the three body systems that work together to maintain water balance (homeostasis) in the human body. \_\_\_\_\_  
\_\_\_\_\_

g. What is a feedback system? \_\_\_\_\_  
\_\_\_\_\_

h. How do negative feedback systems work? \_\_\_\_\_  
\_\_\_\_\_ Give one example and an explanation of negative  
feedback in the human body. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

i. How do positive feedback systems work? \_\_\_\_\_  
\_\_\_\_\_

j. Give one example and an explanation of positive feedback in the human body. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

k. The nervous system is known for directing \_\_\_\_\_, rapid and \_\_\_\_\_  
responses in the body.

l. The endocrine system usually directs \_\_\_\_\_, longer lasting \_\_\_\_\_.