Name: _____ ``` **Date: _____**

Warm-Up: MAINTAINING LIFE & HOMEOSTASIS - A (pp 7-14)

Short Answer: WRONG SPELLING WILL BE MARKED WRONG.

1. The _____ system rids the body of indigestible food residue in feces while the _____ system removes nitrogen-containing metabolic waste in urine.

2. _____ refers to all of the chemical reactions in the body.

3. The ability to sense changes and react to them is termed _____ or _____.

4. The component of a control system that provides the means for the control center's response (output) is called the _____.

5. The role of the effector in the negative feedback mechanism is to _____ the stimulus while it _____ the stimulus in the positive feedback mechanism.

6. The body's ability to maintain stable internal conditions is referred to as _____.

7. Blood clotting and the birth of a baby are examples of the _____ feedback mechanism.

Multiple Choice: *Identify the choice that best completes the statement or answers the question.*

_____ 8. Which of the following is the correct order of elements in a control system:
   a. receptor, stimulus, afferent pathway, control center, efferent pathway, effector, response
   b. receptor, stimulus, efferent pathway, control center, afferent pathway, effector, response
   c. effector, stimulus, efferent pathway, control center, afferent pathway, receptor, response
   d. stimulus, receptor, afferent pathway, control center, efferent pathway, effector, response
   e. stimulus, receptor, efferent pathway, control center, afferent pathway, effector, response

_____ 9. Which of the following elements of a control system detects a change:
   a. control center   d. receptor
   b. stimulus   e. efferent pathway
   c. effector

_____ 10. Positive feedback systems:
   a.   regulate heart and breathing rates
   b.   operate in such a way that the initial stimulus is enhanced and increases
   c.   operate in such a way that the initial stimulus is shut off or reduced
   d.   regulate heart and breathing rates, and operate in such a way that the initial
        stimulus is enhanced and increases
   e.   regulate heart and breathing rates, and operate in such a way that the initial
        stimulus is shut off or reduced

_____ 11. Which of the following is considered a normal body temperature:
   a.   29 degree Celsius   d.   42 degrees Celsius
   b.   35 degrees Celsius   e.   45 degrees Celsius
   c.   37 degrees Celsius