Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Topic 2: Life Process Vocabulary Review**

**Match the correct term to the following definitions.**

1. **Nutrition**
2. **Reproduction**
3. **Homeostasis**
4. **Respiration**
5. **Regulation**
6. **Growth**
7. **Development**
8. **Transport**
9. **Excretion**
10. **Breathing**
11. **Metabolism**
12. **Obtain and use energy**
13. **Respond to environment**

**\_\_\_\_\_1. A cheetah runs quickly through a field.**

**\_\_\_\_\_2. Digested food is brought to all the cells of a cat.**

**\_\_\_\_\_3. A plant is an autotroph and can make its own food.**

**\_\_\_\_\_4. A dog has a litter of 6 puppies.**

**\_\_\_\_\_5. A baby overtimes becomes an adult**

**\_\_\_\_\_6. Cells becomes larger in size or multiplies.**

**\_\_\_\_\_7. All living things use energy. How is energy made?**

**\_\_\_\_\_8. Cellular wastes are removed from an ameba.**

**\_\_\_\_\_9. A human maintains a normal body temperature of 37°C**

**\_\_\_\_\_10. A cat runs away quickly when it hears a loud noise.**

**\_\_\_\_\_11. All life processes working together.**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Topic 2: Stimulus and Response Review**

***Directions:*** *Then decide what the stimulus and response is in each drawing. In addition, decide if the stimulus is external or internal.*

 

1)  2) 

Stimulus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stimulus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Response: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Response: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Stimulus: Internal or External Stimulus: Internal or External

3) 4) 

 Stimulus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stimulus: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Response: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Response: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Stimulus: Internal or External Stimulus: Internal or External

***Directions****: Read the passages below. Then answer the questions that follow in complete sentences*.

  **You are walking home from school one day when a large dog jumps out at you from behind a tree. He starts to growl and shows his teeth. You quickly turn around and walk in the opposite direction.**

5) What was the stimulus in this situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6) What was the response in this situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) Was the stimulus in this situation internal or external? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**You are at the mall walking through the food court on your way to buy a new CD. You smell fresh baked pizza and realize that you skipped lunch. You buy a piece of pizza and eat it before going to buy your CD.**

8) What was the stimulus in this situation?
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 9) What was the response in this situation?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Was the stimulus in this situation internal or external?

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Review Regents Questions**

 *The diagram below represents two organisms.*



\_\_\_\_\_1. Which statement concerning organism *A* and organism *B* is correct?

1. Organism *A* contains organs, whereas organism *B* lacks organs.
2. Organism *A* and organism *B* have the same organ systems.
3. Organism *A* and organism *B* both have structures that perform life processes.
4. Organism *A* lacks structures that help maintain dynamic equilibrium.

\_\_\_\_\_2. Which life activity is *not* required for the survival of an individual organism

1. Nutrition
2. Respiration
3. Reproduction
4. Synthesis

\_\_\_\_\_\_3. Small molecules are combined to form large molecules by the life function of

1. Regulation
2. Excretion
3. Transport
4. Synthesis

\_\_\_\_\_4. The absorption and distribution of materials within an organism is a life function known as

1. Synthesis
2. Reproduction
3. Transport
4. Locomotion

7. During which process is oxygen used by green plants?

1. Photosynthesis
2. Hydrolysis
3. Osmosis
4. Respiration

8. What is the chemical formula for glucose?

1. H2O
2. CO2
3. C6H12O6
4. CHO

9. Which life function is primarily involved in the conversion of the energy stored in organic molecules to a form directly usable by a cell?

1. Absorption
2. Circulation
3. Digestion
4. Respiration

10.When a planarian (a type of worm) is cut in half, each half usually grows back into a complete worm over time. This situation most closely resembles

1. asexual reproduction of a single-celled organism
2. sexual reproduction of a single-celled organism
3. sexual reproduction of a multicellular organism
4. asexual reproduction of a multicellular organism
5. The removal of carbon dioxide and nitrogenous wastes from an organism illustrates the life function known as
6. Regulation
7. Nutrition
8. Respiration
9. excretion
10. Which term is used to represent all of the physiological activities carried on by an organism?
11. Regulation
12. Metabolism
13. Homeostasis
14. Synthesis
15. An organism develops active immunity as a result of
16. manufacturing its own antigens
17. producing antibodies in response to a vaccination
18. receiving an injection of antibodies produced by another organism
19. receiving an injection of a dilute glucose solution

15.List all life processes of a living thing below & describe the function

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_