

# Living Earth

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

## Distance Learning Week 2

### Assignment 1 "Quiz". Please circle the correct answer to each question.

1. Which level of organization is made up of many tissues working together to carry out a specialized function in the body?
  - a. Cell
  - b. Tissue
  - c. Organ
  - d. Organ System
  - e. Individual
2. Which level of organization is considered the most basic unit of life?
  - a. Cell
  - b. Tissue
  - c. Organ
  - d. Organ System
  - e. Individual
3. Once a cell has undergone differentiation (for example, becoming a muscle cell) will it later be able to change its function and become a different type of cell?
  - a. Yes, it can change function if it is needed for something else.
  - b. No, it is stuck serving the same function as long as it is alive.
4. According to the text, which type of tissue receives and transmits impulses, and processes information?
  - a. Connective Tissue
  - b. Epithelial Tissue
  - c. Muscular Tissue
  - d. Nervous Tissue
5. According to the text, which tissue contracts and relaxes to allow for movement, support, and heat production?
  - a. Epithelial tissue
  - b. Nervous tissue
  - c. Muscular Tissue
  - d. Connective Tissue
6. Which term best describes an organism's ability to maintain a stable internal environment?
  - a. Differentiation
  - b. Homeostasis
7. Which type of muscle tissue is used for movements under your own control (like walking, texting, chewing, or speaking)?
  - a. Smooth muscle
  - b. Skeletal muscle
  - c. Both smooth and skeletal muscle
8. Think of blinking your eyes, as well as breathing. Under which type of control are your eyelid muscles and the muscles that help you breathe?
  - a. Involuntary control only
  - b. Voluntary control only
  - c. Both Involuntary and voluntary control.

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## Distance Learning Week 2

### Assignment 2 "Quiz". Please circle the correct answer to each question.

1. This organ system is responsible for breaking down foods and then absorbing the nutrients and getting rid of foods waste.
  - a. Nervous System
  - b. Skeletal System
  - c. Digestive System
  - d. Immune System
  - e. Circulatory System
  
2. When you exit a movie theater during the day, sunlight floods into your eyes, causing the pupils in your eyeballs to get smaller. They were much larger in the theater, taking in the movie in such a dark room. With the blast of sunlight, you might even sneeze in response. Which organ system responsible for taking in information, processing it, and then responding to it?
  - a. Excretory System
  - b. Endocrine System
  - c. Skeletal System
  - d. Circulatory System
  - e. Nervous System
  
3. Does your skeletal system rely on your digestive system to be working well and doing its job?
  - a. No way - all the organ systems work independently and have no effect on other organ systems.
  - b. Yes! Absolutely. If the digestive system isn't getting nutrients into the body, how would the bone grow or replace dead bone cells?
  
4. Since you were born, your cells have been dividing through mitosis, and now at every family reunion, older family members can't stop talking about how you're mysteriously taller than when you were four years old. Some hormones are made by your body to stimulate cell division and make you grow. What organ system is responsible for you growing so much?
  - a. Excretory System
  - b. Endocrine System
  - c. Immune System
  - d. Respiratory System
  - e. Muscular System
  
5. We're in the middle of a global pandemic, caused by a virus. Unfortunately many people are getting sick, and - sadly- many are dying. Many with the disease, however, are able to recover, their bodies having fought off the virus after some struggle. Their ability to fight that disease and many other diseases is because of their...
  - a. Skeletal System
  - b. Circulatory System
  - c. Integumentary System
  - d. Reproductive System
  - e. Immune System

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**End of Week "Quiz". Please circle the correct answer to each question.**

1. Which organ systems work with the Digestive System to bring nutrients into the body and distribute the nutrients to the rest of the body? *Circle all that apply.*
  - a. Endocrine System
  - b. Nervous System
  - c. Muscular System
  - d. Circulatory System
  - e. Reproductive System
2. Review question from earlier in this week's assignments: Is chewing done by smooth muscle (involuntary control), or skeletal muscle (voluntary control)?
  - a. Smooth Muscle
  - b. Skeletal Muscle
3. Which organ system below is NOT involved in removal of waste (food waste, metabolic waste, and gas waste)?
  - a. Excretory System
  - b. Skeletal System
  - c. Circulatory System
  - d. Respiratory System
  - e. Digestive System
4. Referring to the Neurons section in the HMH reading in Assignment 1 for this week, three types of neurons are described: Sensory neurons, Interneurons, and Motor neurons. Which neurons detect information, taking information (like sound, smells, temperature) into the body for processing?
  - a. Motor Neurons
  - b. Interneurons
  - c. Sensory Neurons
5. Putting it all together: You may recall that the nervous system cells (neurons) are lined with a myelin sheath, which is an outer wrap of proteins and lipids (fats!) that insulates and speeds up communication within the body. You may have also learned that cell membranes are made from lipids, and that lipids are stored under our skin for some insulation. If someone was either malnourished / starving, or had a health condition where they couldn't digest fats, how could that affect their bodies? *Circle all answers that are correct.*
  - a. Their nervous system could fail, and they could lose motor control.
  - b. Cells in their body could have a hard time doing mitosis.
  - c. They could have a harder time growing, as well as repairing or replacing damaged or dead tissues.
  - d. Other organ systems could be negatively impacted and may not function well.
  - e. They may not be able to retain body heat as well.