

Content Practice A**LESSON 2****Levels of Organization**

Directions: On the line before each definition, write the letter of the term that matches it correctly. Each term is used only once.

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|----------|--|--------------------------------|
| _____ 1. | a cell that can become many different cell types | A. cell differentiation |
| _____ 2. | a group of similar cells that work together to carry out a specific task | B. stem cell |
| _____ 3. | a group of different organs that work together to complete a series of tasks | C. tissue |
| _____ 4. | the process by which cells becomes different types of cells | D. organ |
| _____ 5. | a group of organ systems that carry out all the jobs needed for their survival | E. organ system |
| _____ 6. | a group of different tissues working together to perform a particular job | F. organism |

Directions: Circle the term in parentheses that correctly completes each sentence.

7. Cells work together in a (multicellular/unicellular) organism.
8. A cell in a (multicellular/unicellular) organism must carry out all the activities that are necessary to survive.
9. Different types of cells in a multicellular organism have (different/the same) chromosomes.
10. Multicellular organisms are (eukaryotes/prokaryotes).

Content Practice B

LESSON 2

Levels of Organization

Directions: Answer each question or respond to each statement on the lines provided.

1. How are unicellular organisms and multicellular organisms the same?

2. How are a unicellular organism and a multicellular organism different?

3. What is cell differentiation? Why is it important?

4. **Explain** how stem cells are necessary for cell differentiation.

5. **Compare** what makes up cells, tissues, organs, and organ systems.

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