

Section 7–4 The Diversity of Cellular Life (pages 190–193)



TEKS FOCUS: 5C Levels of organization in multicellular organisms and relating parts to the whole

This section explains what cell specialization is. It also describes the four levels of organization in multicellular organisms.

Unicellular Organisms (page 190)

1. A single-celled organism is also called a(an) _____ organism.

Multicellular Organisms (pages 190–192)

2. What is cell specialization in a multicellular organism? _____

3. Circle the letter of each sentence that is true about cell specialization.
- a. Specialized cells perform particular functions within the organism.
 - b. Only unicellular organisms have specialized cells.
 - c. The human body contains many different cell types.
 - d. Some cells are specialized to enable movement.

Levels of Organization (pages 192–193)

4. What are four levels of organization in a multicellular organism?
- a. _____
 - b. _____
 - c. _____
 - d. _____
5. What is a tissue? _____

6. What are the four main types of tissue in most animals?
- a. _____
 - b. _____
 - c. _____
 - d. _____
7. Groups of tissues that work together to perform a specific function are called a(an) _____.
8. What kinds of tissues can be found within a muscle in your body? _____

9. What is an organ system? _____
