

7th Grade Science Study Guide

Science Passage

ORGANIZATION OF LIVING THINGS

SCIENCE IN FOCUS – BIODIVERSITY, EARLY

What Do You Understand About How Are Living Things Organized?

Living things are organized into different levels of organization. The levels of organization are: cell, tissue, organ, organ system, organism, population, community, ecosystem, and biosphere. Each level of organization has a specific function and is made up of different parts.

Cells are the basic units of life. They are made up of different parts, including a nucleus, cytoplasm, and cell membrane. Cells work together to form tissues, which are groups of similar cells that work together to perform a specific function.

Organs are made up of different tissues that work together to perform a specific function. For example, the heart is an organ that pumps blood throughout the body. Organ systems are made up of different organs that work together to perform a specific function. For example, the digestive system is made up of the mouth, stomach, and intestines.



Check Your Understanding

1. What is the smallest unit of life that can perform all the functions of life?	2. What is the next level of organization after the cell?	3. What is the next level of organization after the tissue?

ORGANIZATION OF LIVING THINGS

STUDENT PRACTICE

Practice Questions

Which of the following shows the correct order of structural organization in a multicellular organism?

- A. Organ system → Organ → Tissue → Cell
- B. Cell → Tissue → Organ → Organ system
- C. Tissue → Organ system → Organ → Cell
- D. Cell → Tissue → Organ → Organ system

Which of the following is not a part of an organism?

- A. Organism
- B. Organ
- C. Organism
- D. Organism

What is the structure of a cell called?

Match the term to the definition.

Part of a body that performs a function	
Group of organs that work together to perform a function	
Group of organs that work together to perform a function	
Group of organs that work together to perform a function	

- A. Organ
- B. Organ
- C. Organ
- D. Organ

What is the purpose of a multicellular organism?

- A. To perform all the functions of life
- B. To perform all the functions of life
- C. To perform all the functions of life
- D. To perform all the functions of life

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7th Grade Life Science Study Guide Questions And Answers

Léo Pomar



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