

7th Grade Science Study Guide

Science Passage

ORGANIZATION OF LIVING THINGS

SCIENCE STANDARDS: 7.E.1.1, 7.E.1.2, 7.E.1.3

What are the three main levels of organization for living things? Explain how each level is organized and how they are related.

Living things are organized into three main levels. These levels are called levels of organization. These levels are the cell, the tissue, and the organ.

Cells are the basic units of organization. Cells have their own structures, called organelles, that help them do their job.

Cells can work together to form tissues. Tissues are groups of cells that have the same job.

Tissues can work together to form organs. Organs are groups of tissues that have the same job.

Organs can work together to form systems. Systems are groups of organs that have the same job.



Check Your Understanding

What is the main level of organization for living things?	<ul style="list-style-type: none">A. CellB. TissueC. OrganD. System
What is a cell?	<ul style="list-style-type: none">A. Organ or part of a living thingB. Cell or tissueC. Organ or cell or tissueD. Organ system or part of a living thing

ORGANIZATION OF LIVING THINGS

SCIENCE STANDARDS: 7.E.1.1, 7.E.1.2, 7.E.1.3

Which of the following shows the correct order of organization for living things?

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

Which of the following is not a level of organization for living things?

- A. Cell
- B. Tissue
- C. Organ
- D. System

How is the structure of a cell related to its function in a multicellular organism?

1. Which of the following is true?

Organisms are made of living things.
Organisms are made of non-living things.
Organisms are made of many different kinds of living things.
Organisms are made of many different kinds of non-living things.

2. Which of the following is true about living things?

- A. All are plants and animals.
- B. All are plants and animals that have nervous systems.
- C. All are plants and animals that have cells.
- D. All are plants and animals that have intelligence.

3. Look at the diagram of biological organization. What is the name of the Organ System in the diagram?

- A. Heart
- B. Kidneys
- C. Brain
- D. Lung

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Léo Pomar

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