

## STRUCTURE OF HUMAN AND ANIMAL SYSTEMS AND ORGANS

### 10.1. Vocabulary

*Ex. 1. Match the words with their definitions.*

1. body	a. essential parts of the body necessary for survival, such as the heart and brain.
2. function	b. a part of the body that has a specific function, like the heart or lungs.
3. to grow and develop	c. the network of nerves and cells that transmit signals between different parts of the body.
4. nervous system	d. the specific job or role that something does within a system or organism.
5. to maintain health	e. the physical structure of a person or animal, including bones, muscles, and organs.
6. organ	f. to increase in size and change over time, becoming more complex or mature.
7. cell	g. a group of parts that work together to perform a particular task in the body.
8. to take care of	h. to keep your body in good condition through proper habits and practices.
9. immune response	i. the smallest unit of life that can carry out all basic functions of living things.
10. to feel pain	j. a group of similar cells that work together to perform a specific activity in the body.
11. system	k. to experience discomfort or suffering in any part of the body.
12. vital organs	l. to look after someone or something to ensure their well-being and health.
13. tissue	m. the way the body defends itself

	against harmful substances or infections.
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*Ex. 2. Complete the sentences with the given words.*

**to feel pain, immune response, function, tissue, system, to take care of, organ, to maintain health, body (6), to grow and develop, cell, Vital organs**

The human \_\_\_\_\_(1) has many different parts that work together effectively every day.

The heart is a crucial \_\_\_\_\_(2) that pumps blood throughout the \_\_\_\_\_(3).

The respiratory \_\_\_\_\_(4) helps us breathe by taking in oxygen and releasing carbon dioxide.

The main \_\_\_\_\_(5) of the liver is to filter toxins from the blood.

Each \_\_\_\_\_(6) in our \_\_\_\_\_(7) performs specific tasks to keep us healthy and active.

Muscle \_\_\_\_\_(8) is important because it helps us move our bodies and perform daily activities.

It is essential \_\_\_\_\_(9) your \_\_\_\_\_(10) by eating healthy foods and exercising regularly.

People should always try \_\_\_\_\_(11) through a balanced diet and enough sleep.

Children need proper nutrition \_\_\_\_\_(12) into strong adults over time.

When you injure yourself, your \_\_\_\_\_(13) signals to you \_\_\_\_\_(14) so you can protect it.

\_\_\_\_\_ (15) like the brain and heart are necessary for survival and overall functioning.

A strong \_\_\_\_\_(16) helps the \_\_\_\_\_(17) fight off infections and stay healthy.

## **10.2. Reading**

***Ex. 1. Read the text.***

The human and animal bodies are complex entities made up of various systems and organs that work together to sustain life. The nervous system is a prime example, responsible for transmitting signals throughout the body and allowing us to feel pain, think, and move. Our bodies host various vital organs, such as the heart, lungs, and kidneys, that perform essential functions to maintain health. The heart pumps blood, delivering oxygen and nutrients to every cell and tissue, while the lungs facilitate breathing.

In both humans and animals, cells make up tissues, which then form organs, and these organs group into systems. For instance, the digestive system consists of organs like the stomach and intestines, which help the body to process food and absorb nutrients. Similarly, the respiratory system involves the lungs and airways, critical for respiration.

These systems and organs grow and develop over time, adapting to the needs of the organism. The immune system, another crucial component, is responsible for the immune response, defending the body against pathogens. Understanding how these systems and organs function highlights the importance of taking care of our health through proper diet, exercise, and regular medical check-ups. In essence, the intricate interplay of these elements ensures that we can thrive and function optimally.

***Ex. 2. Answer the questions.***

1. What is the nervous system responsible for in both humans and animals?
2. How do vital organs like the heart and lungs contribute to maintaining health?
3. How are cells, tissues, and organs related in the human and animal bodies?
4. Can you provide an example of a system in the body and the organs it consists of?
5. What role does the immune system play in the body?
6. Why is it important to understand how systems and organs function in the body?

7. How can individuals take care of their health based on the information provided in the text?

### **10.3. Communication**

*Ex. 1. Make sentences using the following words.*

1. lungs/help/breathe
2. brain/controls/thoughts
3. stomach/digests/food
4. liver/filters/toxins
5. bones/provide/support
6. muscles/allow/move
7. skin/protects/harmful
8. kidneys/filter/waste
9. intestines/absorb/nutrients