



## HUMAN BODY

### 1. Read the text. Then say which of these titles is most suitable and why:

- The structure of systems in the human body
- The functions of systems in the human body
- The location of systems in the human body
- The properties of systems in the human body

<p>Paragraph 1 The human body is made up of a number of different systems. Each system has a separate function, but some work together. One system is the skeleton, which serves to support the body and protect the internal organs. The respiratory system enables us to breathe and take oxygen into the blood, which moves around the body by means of the circulatory system. The digestive system enables us to take in food needed for growth. Waste matter is ejected from the body by means of the urinary system.</p> <p>Paragraph 2 The endocrine system consists of various glands, such as the thyroid, sex and adrenal glands. The function of these glands is to secrete chemicals, known as hormones, into the blood. These hormones control various processes in the body, such as growth, sexual activities and digestion. The nervous system controls the other systems and enables human beings to think.</p>	<p>Paragraph 3 Each system is made up of organs. The lungs, for example, are part of the respiratory system. The heart is an organ in the circulatory system. The liver functions as part of the digestive system and other systems.</p> <p>Paragraph 4 Every organ is composed of several kinds of tissue. Epithelial tissue, which includes the skin, forms a covering over organs. Connective tissue supports and holds together parts of the body and includes bone and cartilage. Other types of tissue include nerve tissue and blood tissue.</p> <p>Paragraph 5 All tissue consists of cells. These are so small that they are measured in thousandths of a millimetre and can only be seen with a microscope. Each cell is covered with a thin membrane which surrounds a nucleus, and a jelly-like substance, called cytoplasm. This in turn contains minute particles, each with its own special function.</p>
<p>BATES, Martin, DUDLEY-EVANS, Tony. <i>Nucleus - General Science</i></p>	

### 2. Each paragraph deals with a separate topic, though related to the overall theme. To each title write the number of the paragraph.

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|--|---|
| <ul style="list-style-type: none"> <li>Types of tissue and their functions</li> <li>Types of systems in the human body</li> <li>Functions of organs</li> </ul> | <ul style="list-style-type: none"> <li>Endocrine system and function of glands</li> <li>Structure of cells</li> </ul> |
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Tento projekt je spolufinancován Evropským sociálním fondem a státním rozpočtem České republiky.



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

**3. Try to complete the missing words. Then listen to the recording and check with your answers.**

Organs in the human body

\_\_\_\_\_ is an organ in the body that changes toxins (such as alcohol) into less harmful substances and produces bile (žluč), urea and cholesterol.

\_\_\_\_\_ controls the level of glucose and amino acids in the blood, and stores some important vitamins and minerals.

\_\_\_\_\_ pumps blood around the body.

\_\_\_\_\_ is one of the tubes in the chest through which air goes into the lungs.

\_\_\_\_\_ is one of the two organs in the body that clean the blood by removing waste products such as urea and also control the level of water that the blood contains.

The waste passes into the bladder in the liquid form of \_\_\_\_\_ which is then passed out of the body.

\_\_\_\_\_ is one of the two organs in the chest that fill with air during breathing.

Blood flowing to the lungs takes oxygen from the air breathed into \_\_\_\_\_ .

\_\_\_\_\_ is breathed out as a waste product.

\_\_\_\_\_ is the organ at the bottom of the oesophagus (jícen) where food goes after it is eaten.

\_\_\_\_\_ controls physical and nervous activity and intelligence.

\_\_\_\_\_ is the part inside the body like a bag – where urine collects before being passed out of the body through the urethra (močová trubice).

\_\_\_\_\_ is the tube at the back of the throat that goes from the larynx to the bronchi.

\_\_\_\_\_ is the tube that food goes into after it has passed through the stomach.

**4. Go through the text above very quickly again and focus your attention on the highlighted expressions in their context. Then put the text aside and try to form sentences using the words below.**

- a. to have a separate function - system
- b. the function of these glands is ...
- c. to function as - liver
- d. to enable us to – respiratory system
- e. to move around - blood
- f. to be ejected from – waste matter
- g. to consist of – endocrine system
- h. to control various processes - hormones
- i. to be part of - lungs
- j. to be composed of - organ
- k. to support - tissue
- l. to hold together – parts of the body
- m. to include – bone and cartilage
- n. to be covered with - cell
- o. to contain – minute particles

## COLLOCATIONS

be made up  
have a separate function  
the function of these glands is ...  
function as  
enable us to  
move around  
be ejected from  
consist of  
control various processes  
be part of  
be composed of  
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include  
be covered with  
contain

## HOMEWORK

- ✚ Complete ‘odpovědník’ **Human body** (passing score is 23 points). You will get points only for the last two tasks (see below)

[https://is.muni.cz/auth/el/1431/jaro2010/JAB02/odp/HB\\_Human\\_Body.qref](https://is.muni.cz/auth/el/1431/jaro2010/JAB02/odp/HB_Human_Body.qref)

**FUNCTIONS OF SYSTEMS IN THE HUMAN BODY.** (one point per item)

- Practise the vocabulary by completing the sentences with the expressions from the list.
- Complete the text (based on the previous text).

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### Sources:

BATES, Martin, DUDLEY-EVANS, Tony. *Nucleus - General Science : Teacher's Manual.*

Human body systems: <http://www.innerbody.com/htm/body.html>

Macmillan Vocabulary Practice Series – Science CD-ROM

