



THE HUMAN BODY

Outcome 4.8: A student describes features of living things.

4.8.5 humans	a) describe the role of the digestive, circulatory, excretory, skeletal and respiratory systems in maintaining humans as functioning organisms.
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Getting Started

Before you start this WebQuest create a *mind map* of your *current knowledge* of the digestive, circulatory, excretory, skeletal and respiratory systems. You can use the program, Inspiration <http://www.inspiration.com/>

Now lets learn more about our body systems

1. The Digestive system

- a) http://kidshealth.org/misc/movie/bodybasics/digestive_system.html

Using the *Microsoft Word* program create a structure function table. Your table needs to have two columns. One column needs to have the name of the structures in the digestive system, the other column needs to describe the role of each structure. Your table also needs a title.

- b) Now you have completed your table, test your skills
<http://www.harcourtschool.com/activity/digest/index.htm>

2. The Circulatory System

- a) <http://hes.ucf.k12.pa.us/gclaypo/circulatorysys.html>
 Name the structures and organs that form the circulatory system.
 What is the job of the circulatory system?

- b) <http://www1.bellevuepublicschools.org/curriculum/k6web/fifthgrade/bodsys/Circulatorysystem.html>

Use the information in the web site to draw a flow diagram showing the way the blood travels from the heart around the body.

- c) <http://www.medtropolis.com/VBody.asp>
 Explain why the 'virtual heart' shows the blood in blue and red.

3. The Respiratory System

- a) http://vilenski.org/science/humanbody/hb_html/respiratory.html
 Using Microsoft word program create a structure function table. Your table needs to have two columns. One column needs to have the names of the structure in the respiratory system, the other column needs to describe the role of the structure. Your table also needs a title.
- b) Describe how the respiratory system and circulatory system work together.

4. The Excretory System

- a)
- <http://www.kidshealth.org/kid/htbw/kidneys.html>

Click on the diagram of the excretory system.

Using the Microsoft word program create a structure function table. Your table needs to have two columns. One column needs to have the names of the structure in the excretory system, the other column needs to describe the role of the structure. Your table also needs a title.

5. The Skeletal System

- a)
- <http://www.netrover.com/~crose/body/body.html>

Have a look inside the human body.

- b)
- http://www.tldsb.on.ca/Schools/GrandviewPS/Room_108/bones/bones1.html

Try to put the skeleton together.

- c)
- http://vilenski.org/science/humanbody/hb_html/skeleton.html

Discuss five functions of the skeletal system.

Name the two types of joints and give an example of each.

6. Complete the virtual frog dissection and identify the different systems.

<http://frog.edschool.virginia.edu/Frog2/Dissection/Setup/setup1.html>

What have I learned?

7. Add any new knowledge to your *mind map*.

8. In half a page describe how the digestive, circulatory, excretory, skeletal and respiratory systems maintain humans as functioning organisms.

Evaluation and Reflection

9. Use <http://www.lib.umd.edu/guides/webcheck.html> to help you evaluate one of the website used in this lesson.

10. Complete a PMI for this lesson.

PLUS	MINUS	INTERESTING

Finally

Print your work out and hand in to your teacher for marking.