

The Structures of the Heart and Their Functions

WebQuest Description: This webquest is aimed to educate students about the anatomical structure of the heart and the function of each structure.

Grade Level: 9-12

Curriculum: Science

Keywords: Heart, Blood, Veins, Atrium, Ventricle,

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Introduction

By researching the circulatory system of the body students will gain knowledge about the various structures that make up the circulatory system and its function. As a result they will gain more understanding about the flow of blood through the body

Tasks

Today you will be researching about the circulatory system. While conducting your research you will be required to find information about the main structures that make up the Circulatory system, their function as well as the passage of blood flow. In groups of five you are required to create a scrapbook that will contain the required information. You will follow the instructions on the process page by following the links provided which will direct you to the appropriate pages. This task is to be completed within a week.

Process

On your marks, Get Set, GOOO!!The following questions are based on the topics that are required to be in your scrap book.1. What are the blood vessels that are found in the heart? State their functions and include diagramsClick here to answer this question2. What are the valves that are found in the heart? State their functions and include diagrams.Click here to answer this question3. What are the chambers found in the heart? State their functions and include diagramClick here to answer this question4. What is the passage of blood flow through the heart. Give detailed descriptionsClick here to answer this question5. What is the function of the septum of the heart? Include diagramClick here to answer this question6. Click here and complete the following quiz

Evaluation

At the end of the time given for the completion of the task, scrapbooks will be collected. They will be assessed using the following rubric:content: 10 marksorganization of content: 5 marksgrammar: 3 markscreativity: 2 marksTotal 20 marks

Category and Score					Score
				Total Score	

Conclusion

Congratulations you have completed the Webquest. Now that you have completed the group work, I encourage you to reflect on what you have learnt and continue research.

Teacher Page

After completing the webquest the students should have met these three objectives assigned in the task inclusive of the following:

1. Know the structures found in the heart
2. know the function of each structure found in the heart
3. Identify the structure of the heart
4. explicitly describe the passage of blood through the heart

Credits

Other