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Heart Structures webquest

Go to this website-

http://www.innerbody.com/image/cardov.html

1. Explore the following structures in the diagram. Write down the main functions and locations of each structure.

Aorta

Heart

Heart pacemaker

Inferior vena cava

Left Pulmonary Vein

Pulmonary Trunk

Right Inferior Pulmonary Vein

Superior Vena Cava

2. Click on "Click to read more below"

Describe the two primary circulation loops

What are three functions of the cardiovascular system?

5. Go to this website.

http://interactivehuman.blogspot.com/2008/10/heart-heart-information-cardiovascular.html

Read through the tabs.

Look how blood flows through the heart, and describe its path with a flowchart starting with the superior and inferior vena cava.

The electrical signal starts at the Sino-atrial node, or the SA node. Where is this found?

6. Go to this website.

http://www.phschool.com/science/biology\_place/biocoach/cardio1/intconduct.html

What causes the contraction of the atria?

Where does the signal go after the SA node?

What happens when the wave spreads to the bundle of His?

When do ventricles relax?