Cardiovascular System Web Scavenger Hunt

Welcome to circulatory system web scavenger hunt. In this activity, you will search the Web striving to find answers to some very important questions regarding the inner workings of one of the most important systems.

Directions: Click on the links provided to access the sites. Once into a site follow the directions and answer the questions posted for each site on this handout. Have fun and enjoy your virtual learning experience.

In Search of the Heart
http://www.smm.org/heart/heart/steth.htm

1. Where is your heart located? Use the stethoscope to find the location of the heartbeat and place a star on the body below where the heart is located.

http://www.smm.org/heart/heart/circ.htm

2. Observe the heart pumping blood. Which additional organ works with your circulatory system to give oxygen to all of your cells?

ThinkQuest: Blood-River of Life
http://library.thinkquest.org/C0115080/?c=circ_sys

Read about the different parts of the circulatory system including pulmonary, coronary, and systematic circulation.

1. On average, how much blood is traveling through the circulatory system at any given moment?

2. What is pulmonary circulation?

3. Name two major veins, which pump blood into the heart.
**BBC: Human Body**

Scroll down to the bottom left of the page, click the "heart" listed next to the organs link.


1. Name the four chambers of the heart.

**The Franklin Institute Online: Circle of Blood**

You should read about blood vessels and the three parts of the circulatory system.


1. The lungs can be associated with what part of the circulatory system?

2. The heart can be associated with what part of the circulatory system?

3. The pulmonary system is made up of a series of one-way valves, what happens if the blood is forced in the wrong direction? Is this a health threat? (hint: You have to "click" the pulmonary link provided on this page).

**PBS explains how blood and the circulatory system work together**

Click on the "Follow the Flow" link to the right. (Hint: rollover the heart to learn about its parts).


1. What is the Aorta? Why is it important to the circulatory system?

2. What is the role of the Tricuspid Value?

3. What are the pulmonary arteries and why are they important?

4. What is the difference between the jobs of the right chambers of the heart and the left chambers of the heart?
The Structure of the Heart


Label the following Heart Diagram

The Heart: Two Pumps in One

http://www.heartpoint.com/theheart.html

Watch the videos above on the pathway of blood. Write out the flow of blood from the time it enters the heart to the time it leaves the heart. In addition, outline each box with a red or blue pen/colored pencil to show low levels of oxygen (BLUE) and high levels of oxygen (RED).
**Blood Vessels & Blood Pressure**

http://www.lifeclinic.com/focus/blood/whatisit.asp

1. What is Blood Pressure?
2. Blood is carried from the heart to all parts of your body in vessels called ______________________.
3. *Blood pressure* is the force of the blood ____________________
4. Your blood pressure is at its ________________________ when the heart ______________________, pumping the blood. This is called ____________________.
5. When the heart is at ______________________, between ________________, your blood pressure__________________. This is the ____________________
6. How is blood pressure written?
   A. With one number, the systolic pressure
   B. With one number, the diastolic pressure
   C. With two numbers, the diastolic pressure over the systolic pressure
   D. With two numbers, the systolic over the diastolic pressure
7. What blood pressure is considered normal? ___________ Any blood pressure above ___________ is considered too ___________.
8. Scroll down to "Do you have white coat hypertension?" What is this condition? Explain in the space provided.

**Open Heart Surgery**

One last thing...............Follow the directions and complete the open heart surgery

http://www.pbs.org/wgbh/nova/eheart/transplantwave.html

1. What will you expect to see on Wednesday’s Live From the Heart Presentation? Be Specific

2. Write down three GREAT questions you could ask the cardiologist.