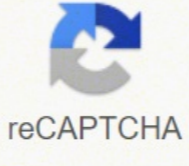




I'm not robot



Open

Cardiovascular/Lymphatic System: Name: _____

It's Totally Tubular!

What You Need to Know:

Three Types of Circulation:

1. _____: arteries and veins _____ with blood
2. _____: pulmonary artery carries deoxygenated _____ to release CO₂ and pulmonary vein carries oxygenated blood back to the heart
3. _____: arteries bring oxygenated _____ and veins return deoxygenated blood back to heart

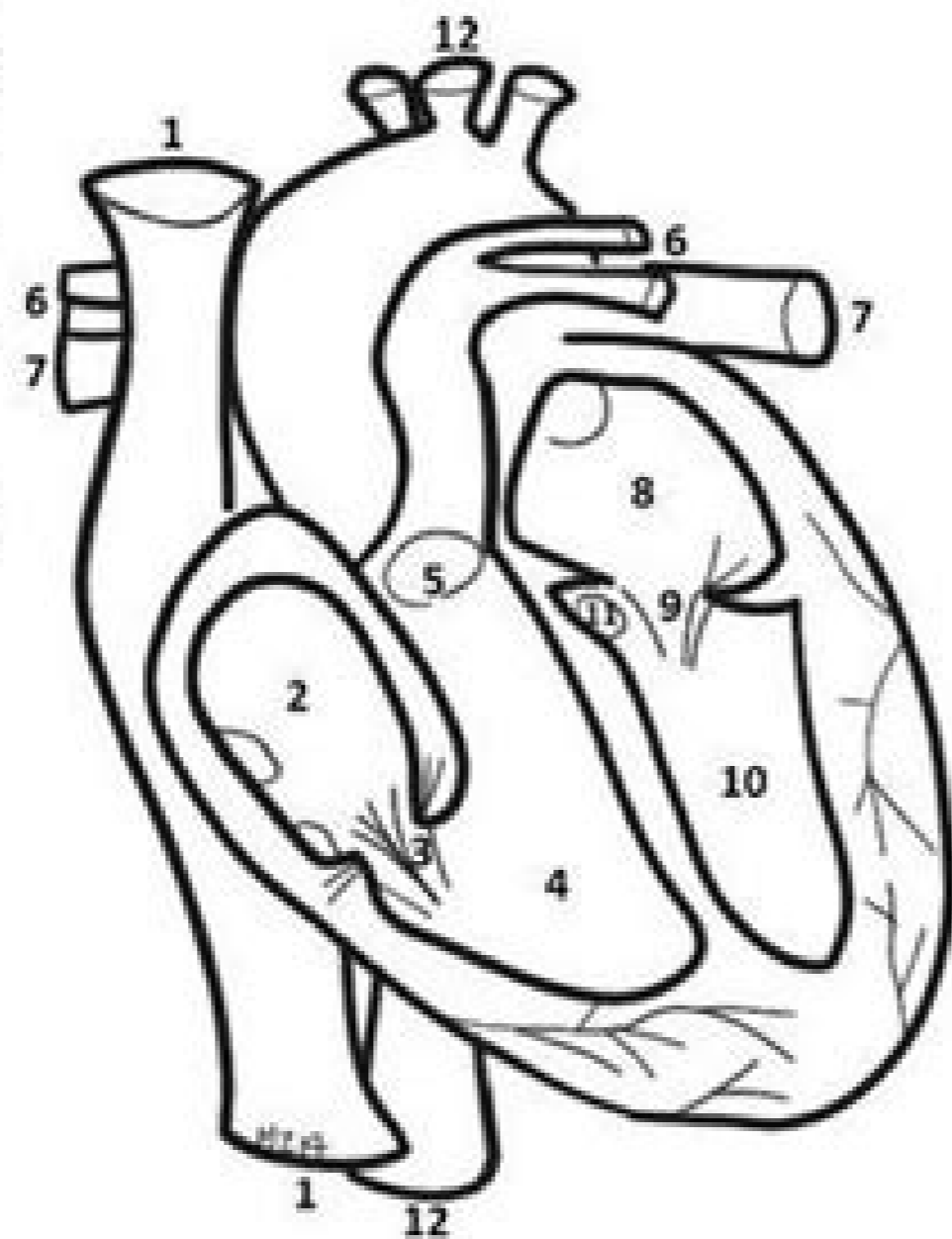


Function:

1. Carry _____ & _____ TO cells & _____ and _____ AWAY from cells
2. Contains cells that _____
3. Includes _____
 - a. _____: _____ to all parts of body and has _____
 1. _____ (_____): _____ two chambers that _____
 2. _____: _____ two chambers that _____. The right ventricle pumps blood to the lungs, while the left pumps blood to the body.
 - b. Blood Vessels carry _____ every _____
 1. _____: _____ blood _____ heart to body
 2. _____: _____ blood from body _____ heart
 3. _____: microscopic blood vessels _____ to _____
(only ONE CELL THICK!!!)
 - i. **Nutrients** and **oxygen diffuse** _____ body cells
 - ii. **Waste** and **carbon dioxide diffuse** _____ of body cells

Identify the heart structure for each number below. Then, color the heart showing the path of oxygenated (red) blood and deoxygenated (blue) blood

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



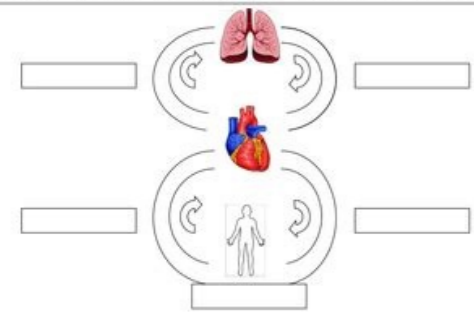
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The Heart

The heart is part of the _____ system and is responsible for pumping _____ around the body. It is located in the _____ muscle and there are 3 blood vessels that work with the heart to transport blood around the body. These are _____, _____, and _____. The _____ are responsible for carrying blood away from the heart. The _____ carry blood to the heart while the _____ are responsible for bringing gases. Our muscles take in _____ to energy and give off _____ as waste. If a blood vessel is high in oxygen, it is called _____ blood. If the blood is rich in Carbon Dioxide, it is called _____ blood.

The swapping of these gases always takes place in the _____ and both gases are brought in and out by the _____. The heart also has 4 chambers. Two on the top called _____ and two on the bottom called _____.

Circulatory	Oxygen	Blood	Capillaries	Lungs	Arteries	Deoxygenated
Arteries	Venicles	Insulatory	Venes	Carbon Dioxide	Oxygenated	



Refer to your textbook pages 100-102 to complete the following summary of the Circulatory System.

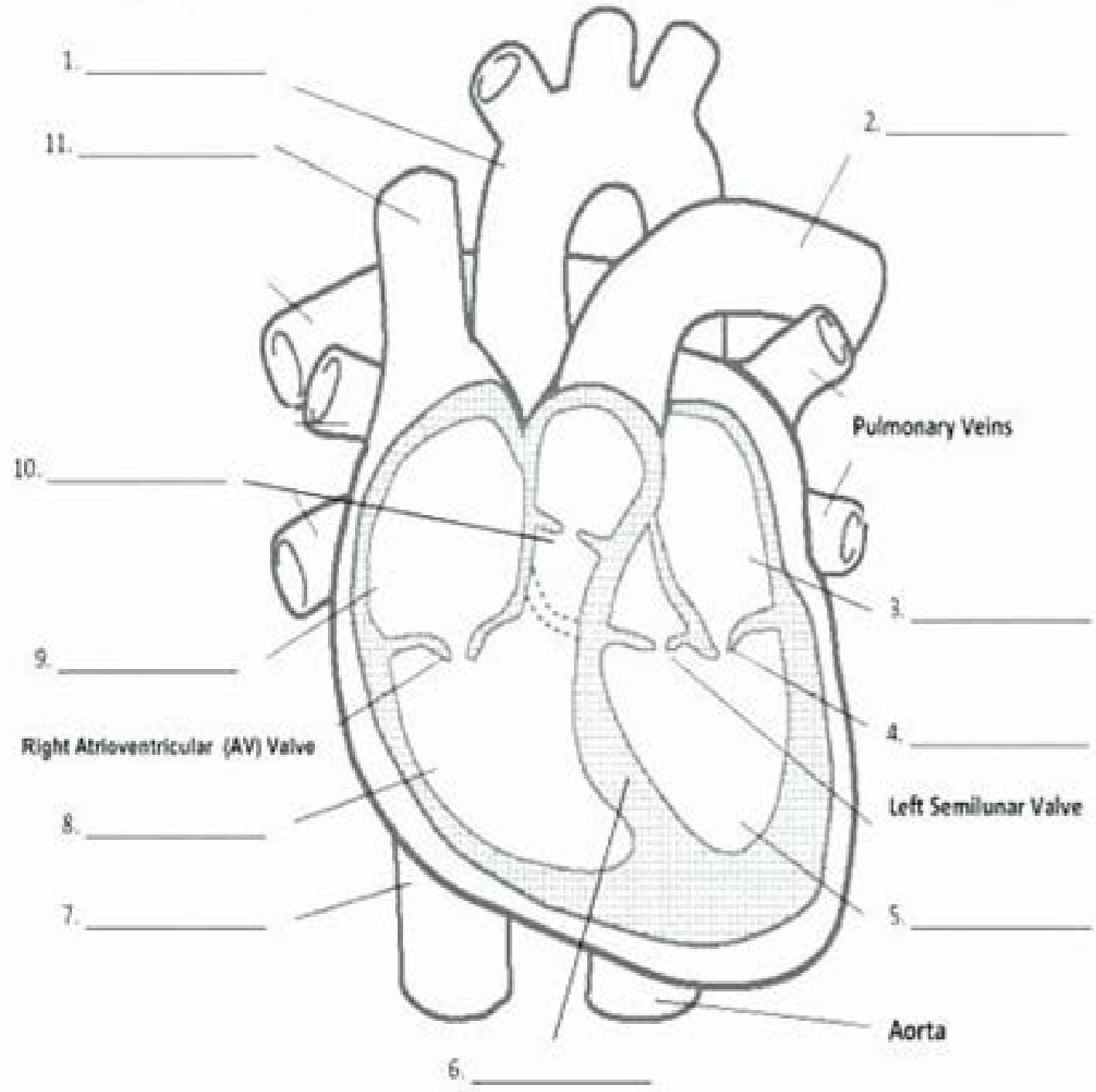
Purpose and Function of the Circulatory System (Fill in the blanks using the terms below.)

valves exchange arteries veins contracts capillaries oxygen wastes nutrients

The function of the circulatory system is to transport _____ and _____ to cells and carry _____ away from cells to the organs responsible for eliminating them from the body.

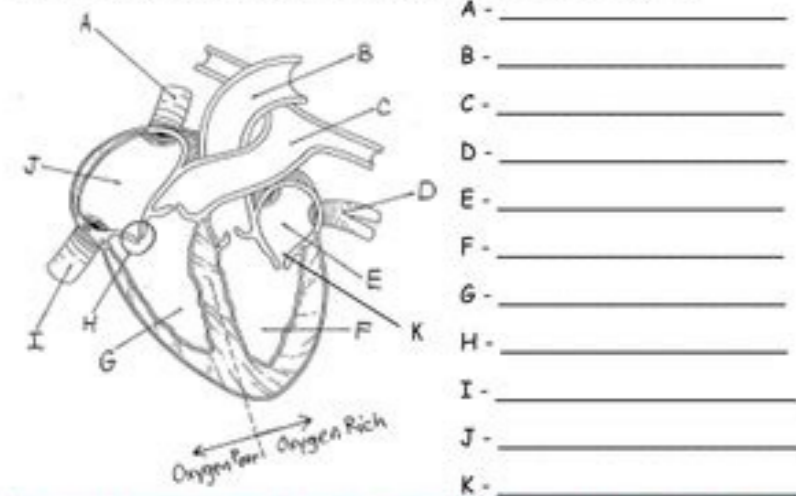
The heart is a muscular pump. When the heart _____, it produces pressure on the blood in the circulatory system. This pressure pushes blood through the body. The body travels away from the heart in vessels called _____. It returns to the heart through vessels called _____. To stop blood from flowing backwards, flexible flaps of tissue called _____ are found throughout the circulatory system in the heart and veins. Arteries and veins are connected by tiny, thin-walled vessels called _____. These very small vessels are in close contact with the organs and tissues of the body. The _____ of nutrients, wastes, oxygen and carbon dioxide occur between tissues and the blood through the walls of these small vessels.

Structure of the Heart: Refer to the Diagram on Page 100 to complete the labels of the heart.



Circulatory System Revision Booklet

1. Label the parts of the heart using the terms in the box below:



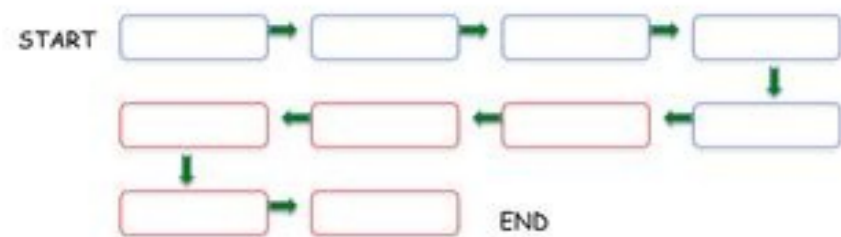
- A - _____
- B - _____
- C - _____
- D - _____
- E - _____
- F - _____
- G - _____
- H - _____
- I - _____
- J - _____
- K - _____

Right Ventricle - Left Ventricle - Right Atrium - Left Atrium - Bicuspid Valve - Tricuspid Valve - Pulmonary Artery - Pulmonary Vein - Superior Vena Cava - Inferior Vena Cava - Aorta

2. Colour the **Oxygen Rich (Oxygenated) side of the Heart RED** - Oxygen Poor (Deoxygenated) side of the Heart **BLUE**

REMEMBER - Blood is always RED. We just show DEOXYGENATED blood as BLUE to show the difference.

3. Use the words above to describe the flow of blood through the heart.



Circulatory System Worksheet

Structure of the Heart:
 C1 describe the inter-relationships of the structures of the heart
 C2 analyse the relationship between heart rate and blood pressure
 C3 analyse the functional inter-relationships of the vessels of the circulatory system
 C4 describe the components of blood

1. Identify and give functions (including where blood is coming from and going to, as applicable) for each of the following:

Letter on diagram	Structure	Function
	left and right atria	
	left and right ventricles	
	coronary arteries and veins	
	anterior and posterior vena cava	
	aorta	
	pulmonary arteries and veins	
	septum	
	semi-lunar valves	
	chordae tendineae	
	atrioventricular valves	
	pulmonary trunk	

You'll find teaching notes, KWL worksheets, journal questions, and even directions to create a model lung! The worksheets are a bit advanced for the 2nd grade, but perfect for grades 3-5. One example of this is the digestive system where the mouth, teeth, stomach, intestines, etc. Parts of the Respiratory System There are so many different parts of the respiratory system. Your kids can use it to locate the important parts of the respiratory system, especially the parts located within the thoracic cavity. Your children are going to love learning about the system that keeps us alive and breathing. You'll also find pages for your kids to write about what they've learned as well as a page to write about smoking. In addition, you'll find three different covers you can use. These systems are: Integumentary system Digestive system Skeletal system Nervous system Muscular system Endocrine system Lymphatic system Cardiovascular or circulatory system Urinary system Reproductive system Human Respiratory System The respiratory system is responsible for taking in oxygen and expelling carbon dioxide. Today we are focused on the respiratory system. You'll find human anatomy coloring pages for all the major systems of the body, as well as additional anatomy and physiology worksheets. Don't forget to check out our other related human anatomy freebies: Don't stop your study of the human body with the respiratory system. Respiratory Worksheets for Kids - These worksheets walk your elementary kids through the different parts of the respiratory system, such as the right lung and the bronchial tubes. The main organ of this system is the lungs which keep us breathing. Some worksheets include lesson plans to make teaching kids easy. Free Human Body Systems Vocabulary Copywork Notebook with 78 pages of vocabulary terms about the human body to copy and remember. It gives your kids a chance to read and write about what they're learning. It takes time for kids to learn all the different parts such as the cilia, the tiny hair, found in the lungs. They're a fun and simple way to introduce your kids to the respiratory system using an interactive worksheet. In order to continue enjoying our site, we ask that you confirm your identity as a human. Free Printables for Apologia's Elementary Anatomy Book includes fun ideas and printables to expand your study of Apologia's Anatomy and Physiology curriculum. Use these fun and educational freebies to expand the learning to all the body systems for a complete study of human anatomy! Free Human Body Systems Labeling Sheets for every body system, with answers included. Respiratory System Doodle Labeled Coloring Page - This coloring page includes wonderful details about the respiratory system such as an explanation about how the diaphragm contracts and a close-up image of the lung alveoli. If you are looking for free worksheets on the respiratory system, you've come to the right place. Human Body Systems Each system is made up of different organs that work together to perform a specific task for the body. About the Circulatory System Poster Circulatory System Handout Circulation Station Coloring Page Circulatory System Coloring Page Human Circulatory System Coloring Page Human Heart Coloring Page Circulatory System Clipart Free Circulatory System Lesson Introduction to the Circulatory System Run the Circulatory System Relay Circulatory System Word Search Circulatory System: Matching Label the Human Circulatory System Draw Inside the Human Body How Hard Is Your Heart Working Kid's Guide to the Circulatory System Affiliate links may have been used in this post. We have found a lot of worksheets for your family that will help them learn about this important body system. You'll find lesson plans, short readers, diagrams, quizzes, and more! Human Anatomy Clip Art of the Lungs - You'll find a worksheet showing the human lungs that your kids can use to either color or label. Other worksheets are fun and educational at the same time. Inside Out Anatomy the Respiratory System - This black and white diagram is another excellent worksheet for labeling parts of the respiratory system. She blogs at Classically Homeschooling. Lungs Anatomy Worksheet - This fun worksheet not only has kids label the parts of the respiratory system but then use the labels to solve a crossword puzzle. There are two sets of writing lines to choose from: one for older kids and one for younger kids. The human body needs oxygen to breathe and function and live. This respiratory system packet includes a fill in the blank diagram to fill in the trachea, bronchi, lungs, and larynx. The human body has 11 of these body systems. Respiratory System Notebooking Pages - These notebooking pages include pages to label diagrams of the respiratory system and parts of the lung. When our children practice labeling and diagramming the different system it will help them to memorize the different parts. Sara Dennis is a veteran homeschool mom of six who's still homeschooling her two youngest kids after the older four have graduated, entered college, and moved on to adult life. If your kids love to color, this is the perfect worksheet for you! Respiratory System Notebooking Pages Notebooking works very well when you are doing unit studies in your homeschool. Your children will research and learn about the causes, symptoms, and treatment of common diseases that effect the respiratory system such as: asthma, bronchitis, COPD, a collapsed lung, emphysema, influenza, pneumonia, seasonal allergies, and tuberculosis. Respiratory System Notebooking Pages - This pack includes 43 pages. Respiratory System Diagram - Download this free color diagram of the respiratory system for your kids. They can describe the process of gas exchange, use correct terms, and record how carbon dioxide moves within the body. We have created the Human Body Systems Labeling and Diagramming Worksheet as an instant download for your children. Then check out these worksheets. Respiratory and Lung Worksheets - Are you looking for a complete lesson on the respiratory system? We created a great instant download that will go perfectly with a study of the respiratory system. Respiratory Worksheets - These worksheets include a variety of sheets to help kids learn about the respiratory system. Free Human Anatomy Coloring Pages for Students A fun way to introduce your kids to anatomy is with coloring pages. Free Respiratory System Worksheets: Worksheets are a great way for children to learn about the respiratory system. FREE offers are often time-sensitive and may be limited time only. I hope you have been enjoying all the great free resources we have been sharing with you about the human body. There are many different systems that work together to make up the entire human body. Thank you very much for your cooperation. help the body break down food. How We Breathe Awesome Anatomy Worksheet - This simple worksheet discusses how air passes from the mouth and nose into the lungs. The Free Respiratory System Diseases Notebooking Research Journal is an instant download. You can use these pages to have your kids write down their best definition of gas exchange and the result of such exchanges. It's a wonderful way to connect the movement of air with the parts of the respiratory system. We have listed out some human anatomy coloring pages that are great for kids of all ages.

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