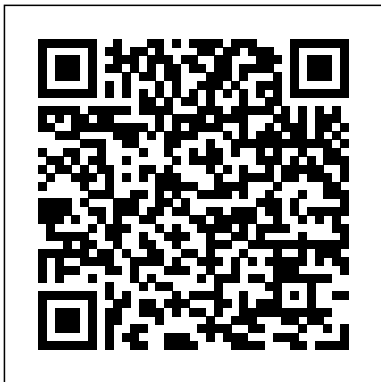

37 1 The Circulatory System

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Section 37 – 1 The Circulatory System(pages 943 – 950) This section describes the circulatory system and its functions. Functions of the Circulatory System (page 943)

37.1 – The Circulatory System - Quia

Section 37 – 1 The Circulatory System (pages 943 – 950) Key Concepts • What are the structures of the circulatory system?

• What are the three types of blood vessels in the circulatory system? Functions of the Circulatory System (page 943) 1. Why do large organisms require a circulatory system? 2. What is a closed circulatory system? 3.

The Circulatory System

33.1 The Circulatory System Lesson Objectives Identify the functions of the human circulatory system. Describe the structure of the heart and explain how it pumps blood through the body. Name three types of blood vessels in the circulatory system. Lesson Summary Functions of the Circulatory System The circulatory system transports oxygen,

37 1 The Circulatory System

Times New Roman Arial Wingdings Calibri Medical design template 1_Medical design template Anatomy and Physiology of the Circulatory System and Blood I. Function of blood and circulatory system II. Components of Blood Slide 4 Blood Volume: III. Origin of Blood Cells - IV. Erythrocytes/RBCs V. Leukocytes/WBCs VI. Plasma Platelets VIII.

37.1 The Circulatory System - Auburn Middle School

CHAPTER 37 – THE CIRCULATORY AND RESPIRATORY SYSTEMS. THE CIRCULATORY SYSTEM. All organisms move substances internally from one place to another. Some organisms rely on . diffusion. for this movement; humans cannot because we are

too large & complex. We require a . circulatory system

Chapter 37 Circulatory and Respiratory Systems, SE

Section 37-1 Figure 37-3 The Structures of the Heart Right Ventricle Right Atrium Left Atrium Inferior Vena Cava Vein that brings oxygen-poor blood from the lower part of the body to the right atrium Tricuspid Valve Prevents blood from flowing back into the right atrium after it has entered the right ventricle Pulmonary Valve Prevents blood from flowing back into the right ventricle after it has entered the pulmonary artery Pulmonary Veins Bring oxygen-rich blood from each of the lungs to ...

Section 37-1 The Circulatory System (pages 943-950

...

Paul Andersen surveys the circulatory system in humans. He begins with a short discussion of open and closed circulatory systems and 2,3, and 4-chambered hearts. He describes the movement of blood ...

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The circulatory system has 3 basic components: ! circulatory fluid (blood) ! tubes (blood vessels) ! muscular pump (heart)

37-1 The Circulatory System Section 37-1

Chapter 37, Circulatory and Respiratory Systems (continued) Section 37-2 Blood and the Lymphatic System (pages 951-955) This section describes the functions of the different components of blood. It also outlines the role of the lymphatic system. Blood Plasma (page 951) 1. The straw-colored fluid portion of blood is called plasma 2.

37.1 The Circulatory System

Powerful contractions of the myocardium pump blood through the circulatory system. Your heart is composed almost entirely of muscle. In the walls of the heart, two thin layers of tissue form a sandwich around a muscle layer called the myocardium. Powerful contractions of the myocardium pump blood through the circulatory system.

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Chapter 37, Circulatory and Respiratory Systems (continued) 14. Why is the blood that enters the heart from the systemic circulation oxygen-poor? The cells of the body have absorbed much of the oxygen the blood once contained and loaded the blood with carbon dioxide.

CHAPTER 37 - THE CIRCULATORY AND RESPIRATORY SYSTEMS

1. Hormones -thyroid, adrenal (increases heart rate) brought on by stress and fear.
2. Nervous System -variety of receptors cause nerves to release a variety of chemicals.
3. Chemical Influence Atropine -nightshade plant that increases heart rate greatly. Muscarine -poisonous mushroom -

stops heart entirely.

Quia - Section 37.1: The Circulatory System

37 1 The Circulatory System

33.1 The Circulatory System

70 mL of blood/72 times a minute (enough to fill an Olympic sized pool over 1 year) Septum Divides the left and right sides of the heart, preventing the oxygen-rich and oxygen-poor blood from mixing.

Section 37-1 The Circulatory System

Figure 37-5 In the circulatory system, there are three types of blood vessels- arteries, capillaries, and veins. The walls of these vessels contain connective tissue, smooth muscle, and endothelium. Figure 37-6

Contraction of skeletal muscles helps move blood in veins toward the heart.

[Prentice Hall Biology - pdsd.org](http://pdsd.org)

Section 37-1: The Circulatory System The human circulatory system consists of the heart, a series of blood vessels, and the blood that flows through them. As the blood flows through the circulatory system, it moves through three types of blood vessels-arteries, capillaries, and veins.

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thick middle muscle layer of the heart;
pumps blood through the circulatory system
atrium large muscular upper chamber of the heart that receives and holds blood that is

about to enter the ventricle

37-1 The Circulatory System Questions and Study Guide ...

the REAL WORK of the circulatory system is done by these. It brings nutrients and oxygen to the tissues and absorbs carbon dioxide and other waste products from them. They are the SIDE STREETS and ALLEYS of the circulatory system. SMALLER than 1 cell thick and NARROW.

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