



Student Exploration: Circulatory System

Name:

Date:

Directions: Follow the instructions to go through the simulation. Respond to the questions and prompts in the orange boxes.

Vocabulary: artery, atrium, blood vessel, capillary, circulatory system, heart, heart valves, platelet, pulmonary artery, pulmonary vein, red blood cell, urea, ventricle, vein, white blood cell

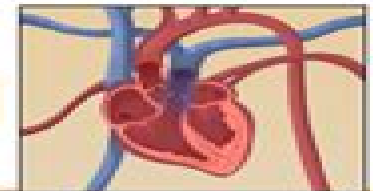
Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

1. Why do you need blood?

2. What organ pushes blood through your body?

Gizmo Warm-up

The *Circulatory System* Gizmo shows the **heart** and **blood vessels** that make up the **circulatory system**. Look at the heart.



1. How many chambers does the heart have?

2. Turn on **Show labels**. What are the names of the chambers?

3. Do you see tiny “doors” that open and close as blood is pumped through the heart?

These are **heart valves**. Heart valves control the flow of blood through the heart.

4. Click **Heartbeat sound** and listen for the two parts of the heartbeat, nicknamed “lub” and “dub.” Observe the heart. (Note: The recording is not in sync with the heart animation.)

What do you think causes heartbeat sounds?

In fact, the “lub” sound is caused by valves from the **atria** to the **ventricles** closing, and the “dub” sound is caused by the valves from the ventricles to the blood vessels closing.

5. Challenge: Why do you think the left atrium and left ventricle are shown on the *right* side of the diagram?

Ch 1circulatory System Packet Answer Key

**Thirumalaisamy P.
Velavancorresponding**



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MCQ Chapter 12 Epithelium MCQ Chapter 13 Eye MCQ Chapter 14 Eye Ciliary Body MCQ Chapter 15 Eye Fibrous Coat MCQ Chapter 16 Eye Iris MCQ Chapter 17 Eye Lens and Conjunctiva MCQ Chapter 18 Eye Lens Accessory Structure of Eye MCQ Chapter 19 Eye Retina MCQ Chapter 20 Eye Vascular Coat MCQ Chapter 21 Female Reproductive System MCQ Chapter 22 Glands MCQ Chapter 23 Immune System and Lymphoid Organs MCQ Chapter 24 Integumentary System MCQ Chapter 25 Male Reproductive System MCQ Chapter 26 Muscular Tissue MCQ Chapter 27 Nervous Tissue MCQ Chapter 28 Respiratory System MCQ Chapter 29 Urinary System MCQ The Blood MCQ PDF e Book Chapter 1 practice test to solve MCQ questions on Erythrocytes leukocytes plasma and platelets The Bones MCQ PDF e Book Chapter 2 practice test to solve MCQ questions on Bone formation bone matrix bone tissues joints and structure of bone tissues The Cartilages MCQ PDF e Book Chapter 3 practice test to solve MCQ questions on Classification of cartilage The Cell MCQ PDF e Book Chapter 4 practice test to solve MCQ questions on Cell death cell division cell junctions cell membrane cell organelles Golgi apparatus cell renewal cytoplasm cytoplasmic inclusions pigments cytoplasmic inclusions stored food materials cytoplasmic organelles endoplasmic reticulum cytoplasmic organelles mitochondria cytoplasmic organelles ribosomes cytoskeleton nucleus shape and size of human cells The Cerebrum Cerebellum and Spinal Cord MCQ PDF e Book Chapter 5 practice test to solve MCQ questions on Cerebellum cerebrum and spinal cord The Circulatory System MCQ PDF e Book Chapter 6 practice test to solve MCQ questions on Blood vascular system The Connective Tissues MCQ PDF e Book Chapter 7 practice test to solve MCQ questions on Adipose tissues connective tissue cells dense connective tissues extracellular matrix of connective tissues loose connective tissues and reticular connective tissue The Connective Tissues Proper MCQ PDF e Book Chapter 8 practice test to solve MCQ questions on Adipose tissues dense connective tissues loose connective tissues and reticular connective tissue The Digestive system MCQ PDF e Book Chapter 9 practice test to solve MCQ questions on Colon and appendix digestive system esophagus gallbladder large intestine liver oral cavity pancreas and exocrine pancreas rectum and anal canal salivary glands and saliva small intestine and stomach The Ear MCQ PDF e Book Chapter 10 practice test to solve MCQ questions on External ear inner ear and middle ear The Endocrine System MCQ PDF e Book Chapter 11 practice test to solve MCQ questions on Adrenal glands hormone and hormone receptors hypophysis hypophysis adenohypophysis hypophysis neurohypophysis parathyroid glands pineal gland and thyroid glands The Epithelium MCQ PDF e Book Chapter 12 practice test to solve MCQ questions on Body tissues epithelium and classification covering epithelia The Eye MCQ PDF e Book Chapter 13 practice test to solve MCQ questions on Choroid ciliary muscles and ciliary layer conjunctiva eyelids lacrimal glands cornea elements of neural retina fibrous coat iris iris stroma and layers of iris layers of retina and pigment epithelium lens capsule sub capsular epithelium lens substance and sclera The Eye Ciliary Body MCQ PDF e Book Chapter 14 practice test to solve MCQ questions on Ciliary muscles and ciliary layer The Eye Fibrous Coat MCQ PDF e Book Chapter 15 practice test to solve MCQ questions on Cornea and sclera The Eye IRIS MCQ PDF e Book Chapter 16 practice test to solve MCQ

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preparation workshops Throughout her career the author has remained professionally active as an AHIMA member as well as a member of her state association CHIA California health Information Association Her formal training includes a teaching credential from California State University Los Angeles a B A degree in English Literature from University of California Los Angeles an RHIT from AHIMA after completing the RHIT program at East Los Angeles College and a CCS certificate from AHIMA Extensive experience as a hands on coder auditor and educator and has given the author the expertise to help coders prepare for the professional coding environment Study Guide to Accompany Structure and Function of the Body Linda Swisher,Gary A. Thibodeau,2003-11 This comprehensive resource provides a variety of exercises for readers to apply and test their knowledge It contains matching fill in the blanks crossword puzzles word find unscramble the word application questions diagrams and page number references in the answer key December 2003 **Study Guide for Introduction to Human Anatomy and Physiology** Eldra Pearl Solomon,Mical K. Solomon,Karla Solomon,Karla Edelson-Solomon,2009 Master content from the textbook with this helpful study tool Designed to accompany Solomon s Introduction to Human Anatomy and Physiology 3rd Edition this workbook will assist students in understanding and applying material from each chapter in the text *Lower Secondary Science Teacher's Guide: Stage 8 (Collins Cambridge Lower Secondary Science)* Collins,2022-02-03 Inspire and engage your students with this Lower Secondary Science course from Collins offering comprehensive coverage of the new curriculum framework including suggested practical investigations and Thinking and Working Scientifically skills **Teacher's Wraparound Edition: Two Biology Everyday Experience** Albert Kaskel,1994-04-19 **Study Guide for Man, Nature, and Society** Theodore W. Pohrte,L. Jack Pierce,1975 **Study Guide and Workbook, an Interactive Approach for Starr and McMillan's Human Biology, Third Edition** Jane B. Taylor,John D. Jackson,1999 Asks the student to write all answers in this study guide workbook This workbook is interactive because it requires students to do things instead of just read more material All questions are arranged by chapter modules so students may skip unassigned material Each module in the study guide refers to the page numbers of the corresponding module in the text There is a wide variety of questions multiple choice questions tables to be filled in art to be labeled true false questions requiring students to write the correct answer if the statement is false thought provoking conceptual questions boldfaced terms requiring a written definition list of objectives in fill in the blank format and other types of questions **Study Guide** George Karleskint,1991 **Study Guide for Porth's Pathophysiology** E. Ronald Wright,1986 Williams Obstetrics, 24th Edition, Study Guide Robyn Horsager,Scott W. Roberts,Vanessa L. Rogers,Patricia C. Santiago-Muñoz,Kevin C. Worley,Barbara L. Hoffman,2014-09-22 Assess your knowledge and retention of Williams Obstetrics with the only study guide keyed to that trusted text There is no better way to understand and remember the information found in Williams Obstetrics Twenty Fourth Edition than this unique study guide You will find everything you need for the most thorough assessment of your knowledge possible It is all here in one comprehensive book hundreds of full color images

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Table of Contents **Ch 1**circulatory System Packet Answer Key

1. Understanding the eBook **Ch 1**circulatory System Packet Answer Key
 - The Rise of Digital Reading **Ch 1**circulatory System Packet Answer Key
 - Advantages of eBooks Over Traditional Books
2. Identifying **Ch 1**circulatory System Packet Answer Key
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an **Ch 1**circulatory System Packet Answer Key
 - User-Friendly Interface
4. Exploring eBook Recommendations from **Ch 1**circulatory System Packet Answer Key
 - Personalized Recommendations
 - **Ch 1**circulatory System Packet Answer Key User Reviews and Ratings
 - **Ch 1**circulatory System Packet Answer Key and Bestseller Lists

5. Accessing Ch 1circulatory System Packet Answer Key Free and Paid eBooks
 - Ch 1circulatory System Packet Answer Key Public Domain eBooks
 - Ch 1circulatory System Packet Answer Key eBook Subscription Services
 - Ch 1circulatory System Packet Answer Key Budget-Friendly Options
6. Navigating Ch 1circulatory System Packet Answer Key eBook Formats
 - ePub, PDF, MOBI, and More
 - Ch 1circulatory System Packet Answer Key Compatibility with Devices
 - Ch 1circulatory System Packet Answer Key Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ch 1circulatory System Packet Answer Key
 - Highlighting and Note-Taking Ch 1circulatory System Packet Answer Key
 - Interactive Elements Ch 1circulatory System Packet Answer Key
8. Staying Engaged with Ch 1circulatory System Packet Answer Key
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ch 1circulatory System Packet Answer Key
9. Balancing eBooks and Physical Books Ch 1circulatory System Packet Answer Key
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ch 1circulatory System Packet Answer Key
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Ch 1circulatory System Packet Answer Key
 - Setting Reading Goals Ch 1circulatory System Packet Answer Key
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Ch 1circulatory System Packet Answer Key
 - Fact-Checking eBook Content of Ch 1circulatory System Packet Answer Key
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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