



## 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?

# Circulatory System Gizmo Assessment Question Answers

**Ying-Ying Zheng**



## **Circulatory System Gizmo Assessment Question Answers:**

*101 Questions about Blood and Circulation*, 2001 Annotation Finally A book that makes blood and the circulatory system understandable With succinct evocative and unfailingly interesting answers Faith Hickman Brynie answers such questions as Does my heart get tired Is heartburn really heart burn What is blood poisoning and more The questions have been culled from thousands asked by teens

The book delves into Circulatory System Gizmo Assessment Question Answers. Circulatory System Gizmo Assessment Question Answers is an essential topic that needs to be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Circulatory System Gizmo Assessment Question Answers, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
    - Chapter 1: Introduction to Circulatory System Gizmo Assessment Question Answers
    - Chapter 2: Essential Elements of Circulatory System Gizmo Assessment Question Answers
    - Chapter 3: Circulatory System Gizmo Assessment Question Answers in Everyday Life
    - Chapter 4: Circulatory System Gizmo Assessment Question Answers in Specific Contexts
    - Chapter 5: Conclusion
  2. In chapter 1, this book will provide an overview of Circulatory System Gizmo Assessment Question Answers. The first chapter will explore what Circulatory System Gizmo Assessment Question Answers is, why Circulatory System Gizmo Assessment Question Answers is vital, and how to effectively learn about Circulatory System Gizmo Assessment Question Answers.
  3. In chapter 2, this book will delve into the foundational concepts of Circulatory System Gizmo Assessment Question Answers. This chapter will elucidate the essential principles that must be understood to grasp Circulatory System Gizmo Assessment Question Answers in its entirety.
  4. In chapter 3, the author will examine the practical applications of Circulatory System Gizmo Assessment Question Answers in daily life. The third chapter will showcase real-world examples of how Circulatory System Gizmo Assessment Question Answers can be effectively utilized in everyday scenarios.
  5. In chapter 4, the author will scrutinize the relevance of Circulatory System Gizmo Assessment Question Answers in specific contexts. The fourth chapter will explore how Circulatory System Gizmo Assessment Question Answers is applied in specialized fields, such as education, business, and technology.
  6. In chapter 5, this book will draw a conclusion about Circulatory System Gizmo Assessment Question Answers. This chapter will summarize the key points that have been discussed throughout the book.
- The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Circulatory System Gizmo Assessment Question Answers.

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