



## 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?

Blood delivers oxygen throughout the body

2. What organ pushes blood through your body?

The heart

### 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?

4

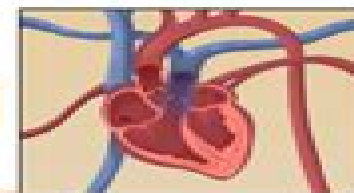
2. Turn on **Show labels**. What are the names of the chambers?

Left atrium

Right atrium

Left ventricle

Right ventricle



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

Yes

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?

The valves

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?

Maybe it's mirrored

# Circulatory System Gizmo Answer Key

**L Reisser**



**Circulatory System Gizmo Answer Key:**

## **Circulatory System Gizmo Answer Key Book Review: Unveiling the Magic of Language**

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Circulatory System Gizmo Answer Key**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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