



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

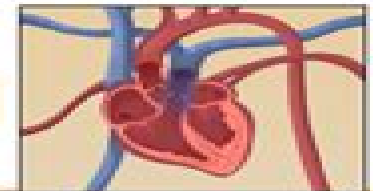
Prior Knowledge Questions (Do these BEFORE using the Gizmo.)

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?

Gizmo Circulatory System Answers

M Tight



Gizmo Circulatory System Answers:

Unveiling the Energy of Verbal Art: An Emotional Sojourn through **Gizmo Circulatory System Answers**

In a world inundated with monitors and the cacophony of quick transmission, the profound energy and emotional resonance of verbal artistry frequently fade in to obscurity, eclipsed by the constant assault of sound and distractions. Yet, situated within the musical pages of **Gizmo Circulatory System Answers**, a charming perform of fictional brilliance that impulses with fresh feelings, lies an unique journey waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this magical opus guides visitors on an emotional odyssey, delicately exposing the latent potential and profound impact embedded within the elaborate internet of language. Within the heart-wrenching expanse with this evocative examination, we will embark upon an introspective exploration of the book is main styles, dissect its fascinating writing style, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

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