

# The Human Body



**What's inside your body**

**?**

**What organs are in your body**

**?**

**How many are there?**

**?**

# 78

**-Two types of tissue serving a common purpose**

# 78

-Two types of tissue serving a common purpose

# vital organs

# 78

-Two types of tissue serving a common purpose

**vital** organs

# 5

?  
?  
?  
?  
?

# 78

-Two types of tissue serving a common purpose

**vital** organs

# 5

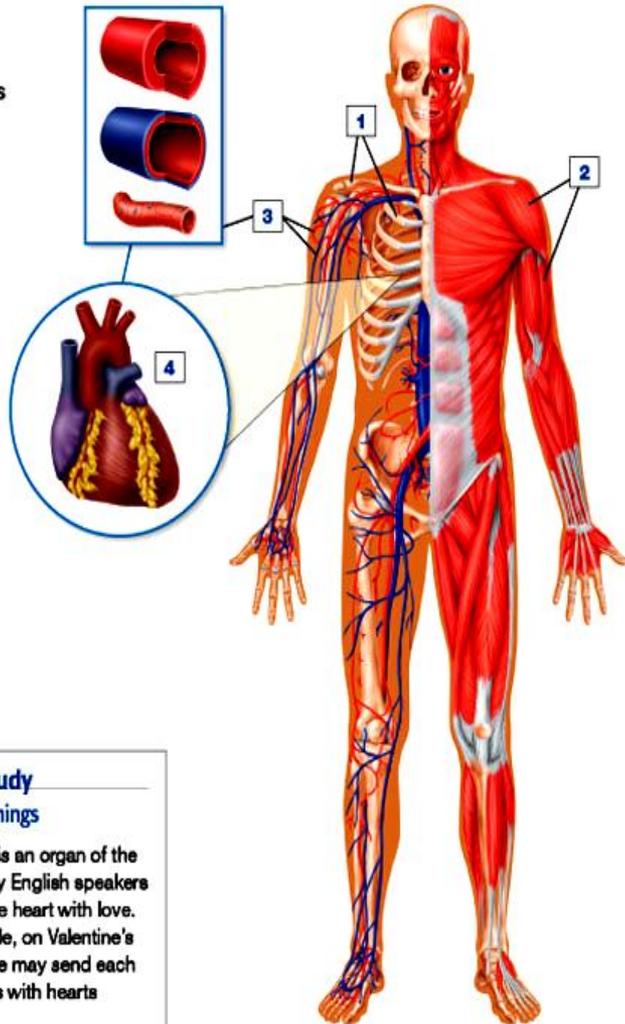
- brain
- heart
- kidneys
- liver
- lungs

# The Human Body

**FOCUS QUESTION**

What are some organs of the human body?

-  1 bones
-  2 muscles
- 3 blood vessels
- Organs**
- 4 heart
- 5 kidney
- 6 liver
- 7 stomach
- 8 intestines
- 9 brain
- 10 lungs
- 11 skin



**Vocabulary in Context**



The human body is made of many different parts. Bones support your body. Muscles help your body move. The heart is an organ. An organ is a part of the body that has a special job. The heart's job is to pump blood. Lungs are organs that take in and let out air. Skin is the largest body organ. It protects the body. These body parts all work together.



**Word Study**

**Word Meanings**



The heart is an organ of the body. Many English speakers connect the heart with love. For example, on Valentine's Day, people may send each other cards with hearts on them.

**Check Your Understanding**

1. Look at the pictures. What body parts are connected to the heart?
  2. What is the heart's job?
  3. What are some organs of the human body?
- Critical Thinking Making Inferences**
4. You're running. What body parts and organs are you using? Make a list.

For more information on organs, see pages 30–31.

Workbook page 57

bones

muscles

blood vessels

heart

kidney

liver

stomach

intestines

brain

lungs

skin

organ

organism

cell tissue

epithelial

connective

nerve

circulation

excretory

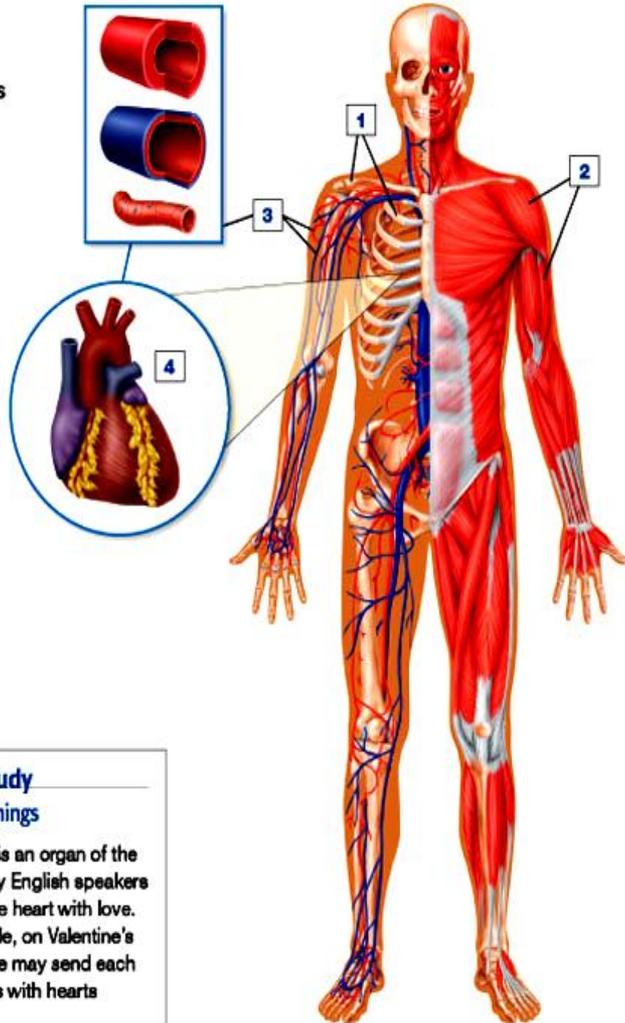
digestive

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Workbook page 57

cell



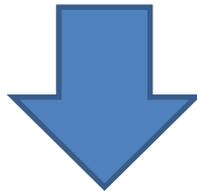
**Tissue**



**Organ**



**organ system**



**organism**

## Word Families

**Circular**      round

**Circulate**      flow around      pass around

**Circulation**      movement in a circular path

## Academic Vocabulary

<b>The excretory system</b>	<b>controls</b>	<b>moving wastes</b>
	<b>is responsible for</b>	
	<b>is in charge of</b>	

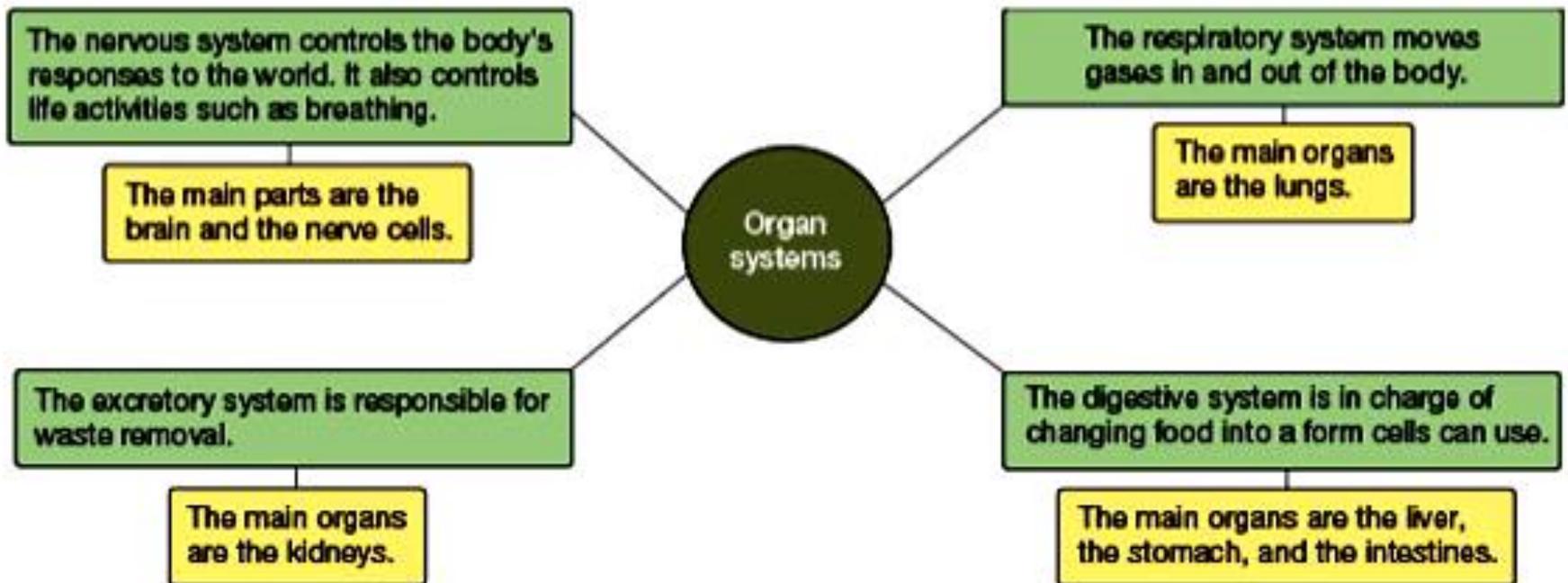
# The Human Body

For more information on cells, tissues, and organs, see pages 30–31.

For information on energy in living things, see pages 88–88.

## Organ Systems CD 2 TR 12

Organs are made of two or more tissues. Tissues are made of the same kinds of cells. Each organ has at least one job to do for the body. For example, the heart pumps blood. **Organ systems** are groups of organs that work together. Your body has eleven organ systems. Some of the jobs these systems do are carry things to and from all your cells, sense the outside world and react to it, help you move, change food into **energy**, and get rid of wastes.



## The Circulatory System



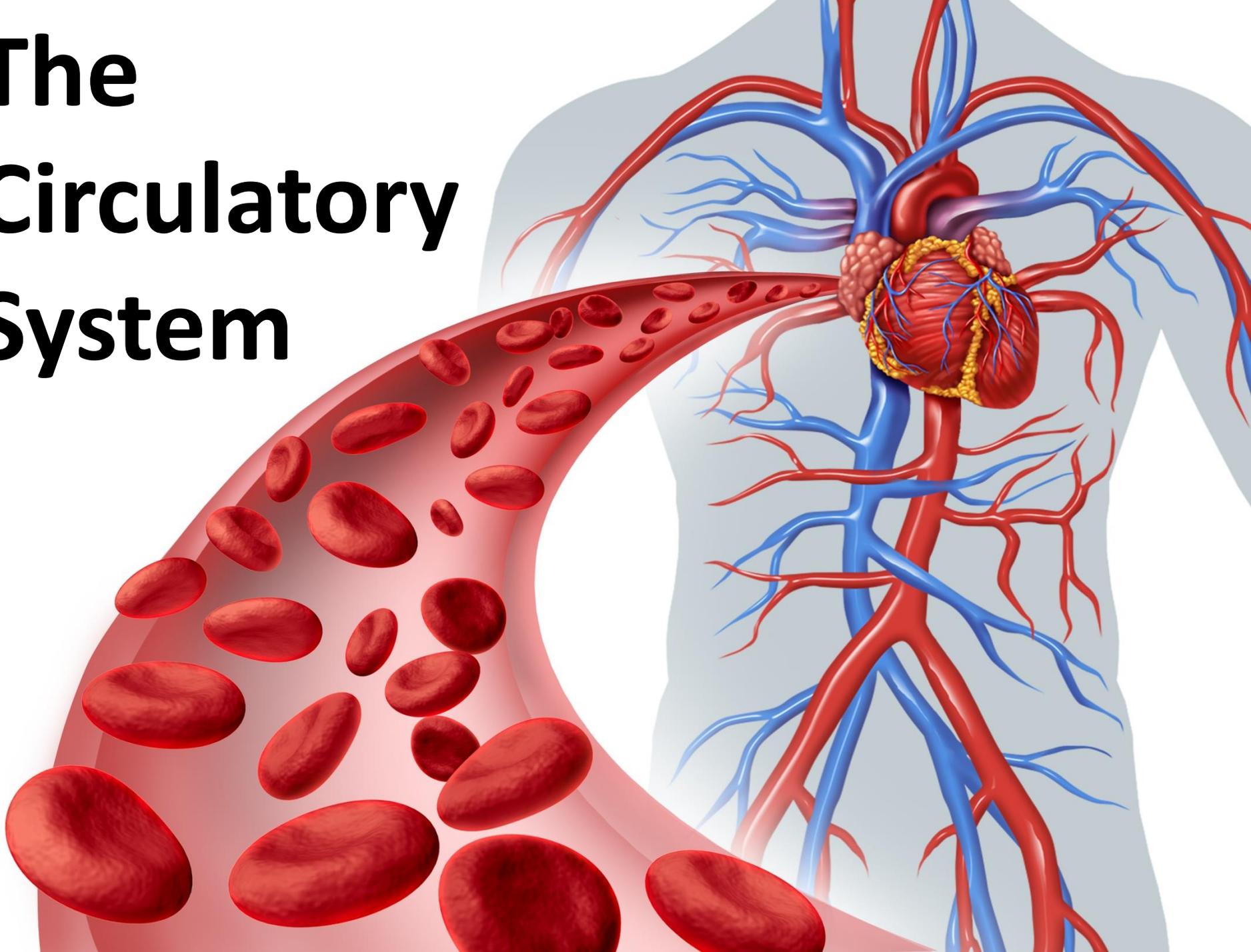
The circulatory system is the body's transport system. It takes food and gases to every cell. Small tubes called blood vessels act like pipelines that carry the blood.

The heart is the main part of the circulatory system. It is divided into two halves. The right side pumps blood to the lungs. Then the blood returns to the left side of the heart. The left side pumps blood out to the body through the blood vessels. Blood flows into a web of smaller and smaller tubes to reach each cell. Then it flows into blood vessels that return it to the right side of the heart. Look at the picture. Red lines show blood moving away from the heart. Blue lines show blood returning to the heart.

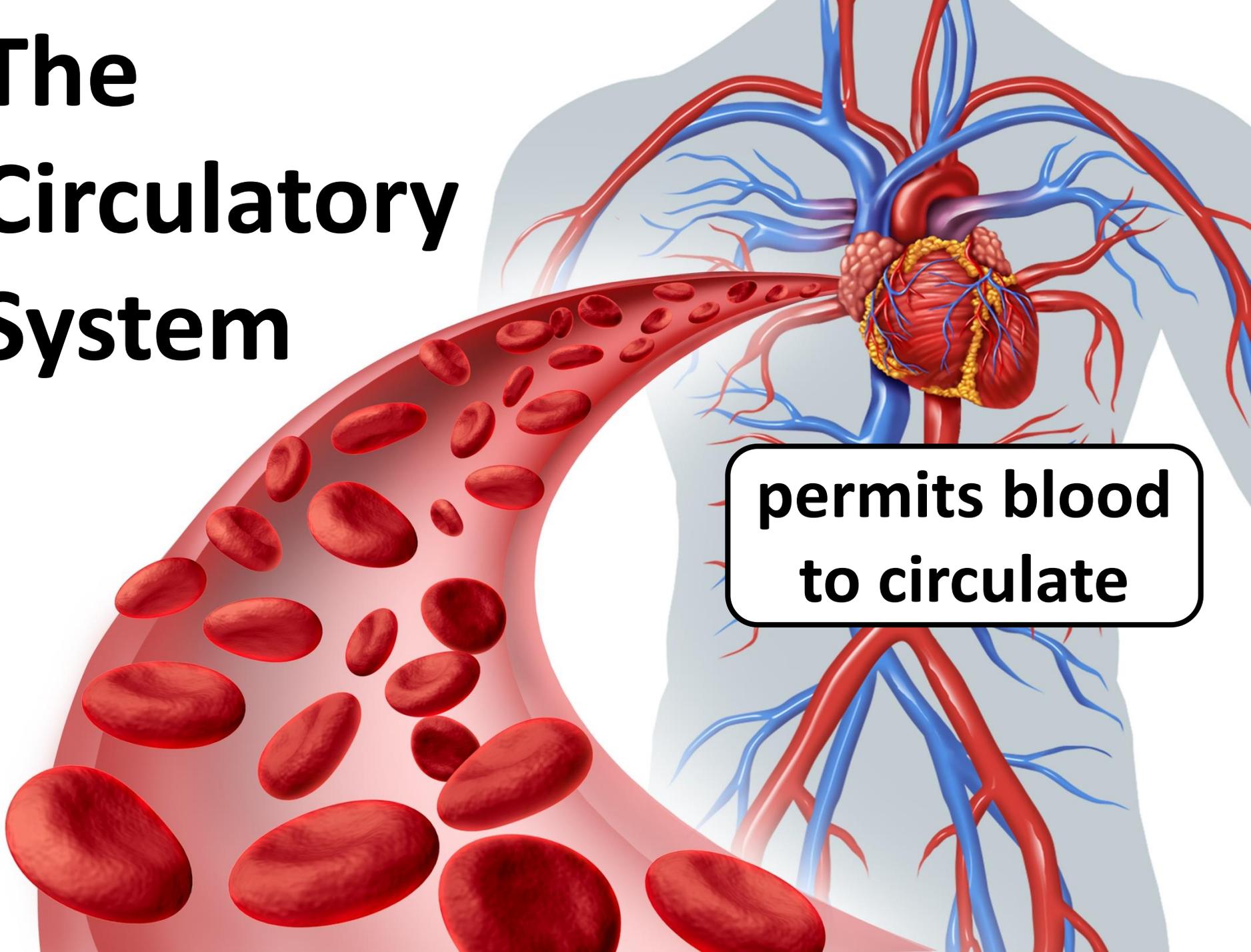


- The circulatory system moves food and gases throughout the body. Red lines show blood moving away from the heart. Blue lines show blood returning to the heart.

# The Circulatory System

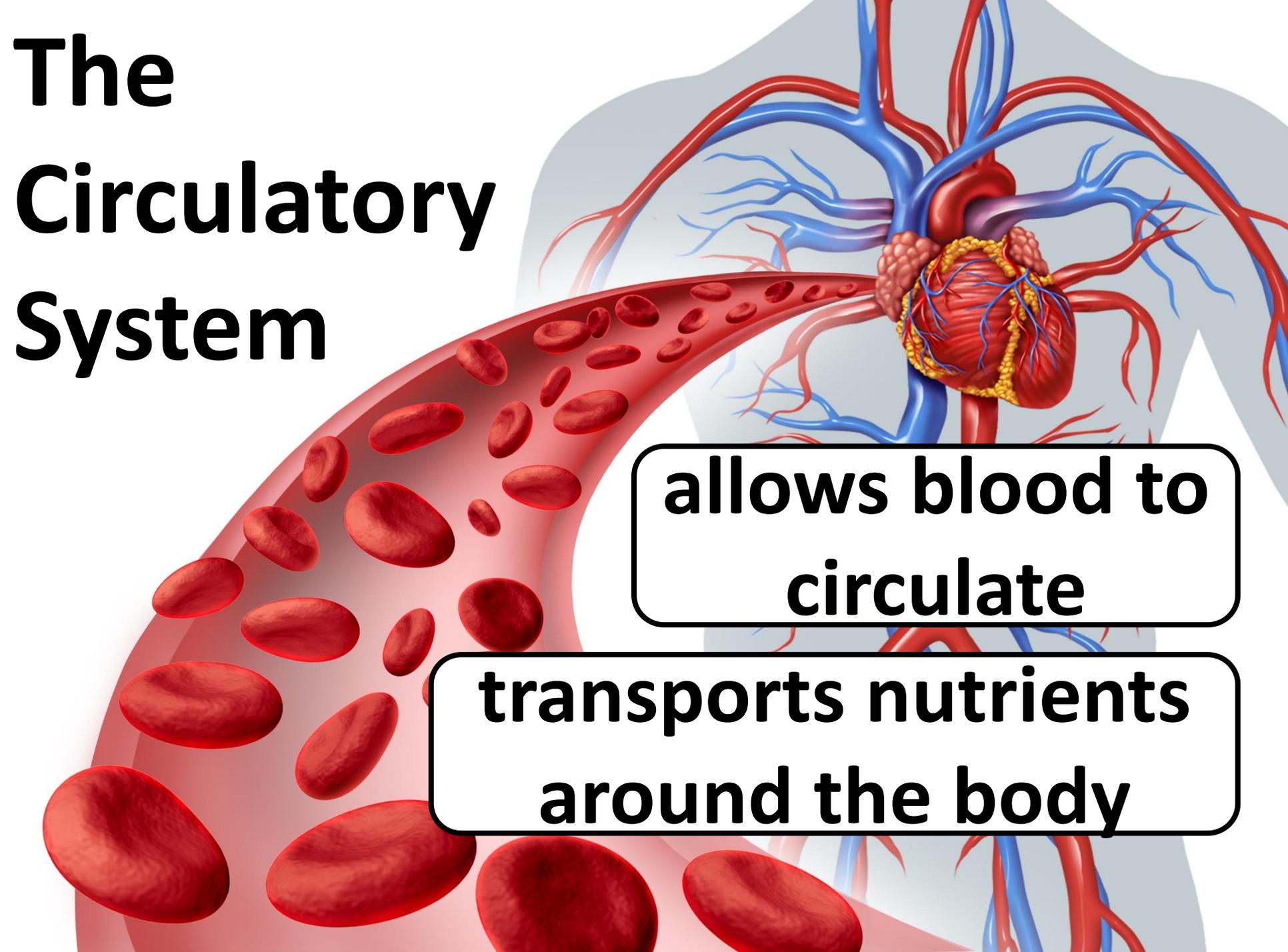


# The Circulatory System



**permits blood  
to circulate**

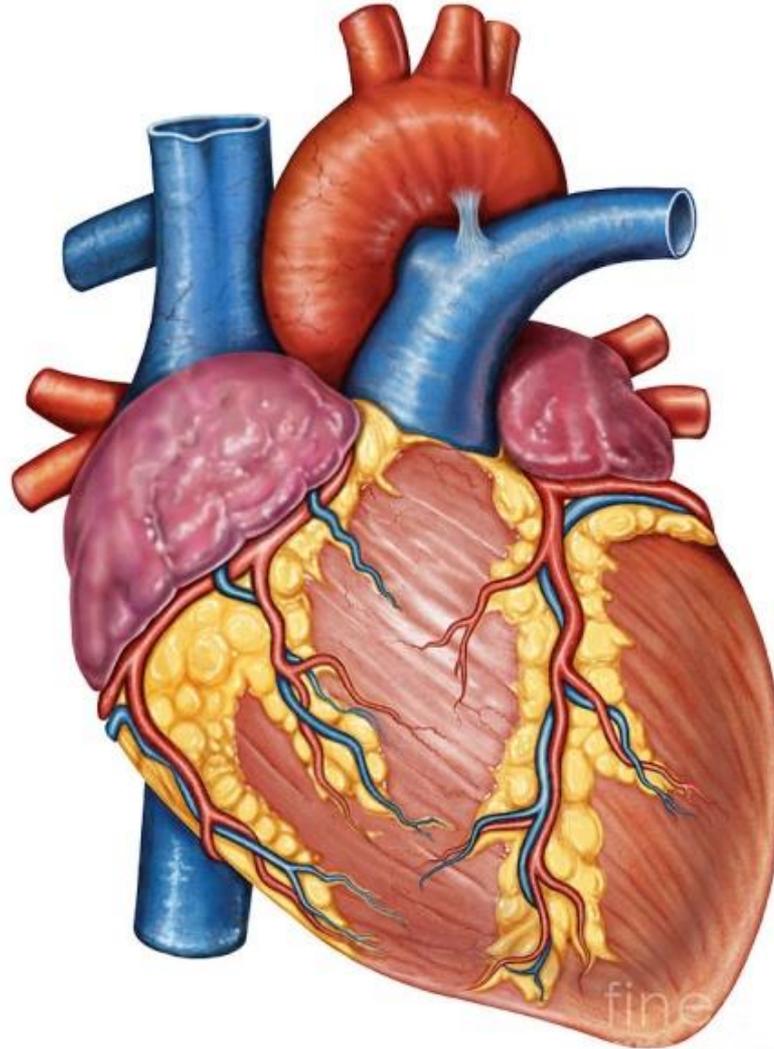
# The Circulatory System

An anatomical illustration of the human circulatory system. The heart is shown in the center, with red arteries and blue veins branching out to the rest of the body. A large, magnified view of a blood vessel is shown in the foreground, filled with numerous red blood cells. The background shows a faint outline of a human torso.

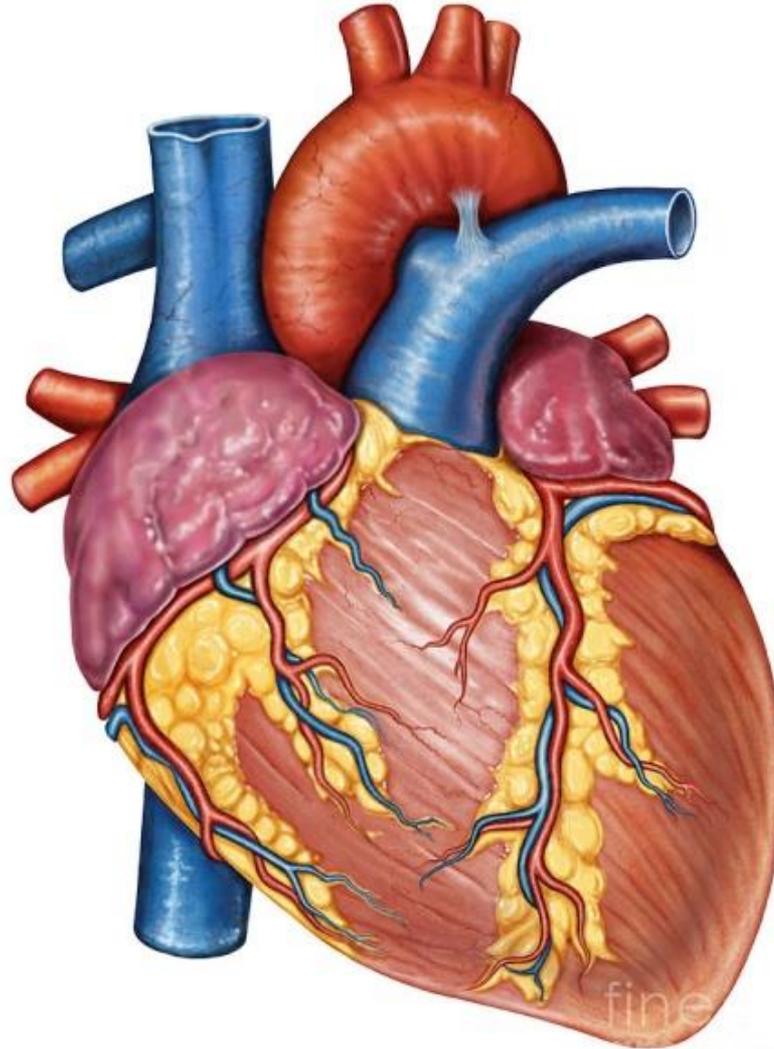
**allows blood to  
circulate**

**transports nutrients  
around the body**

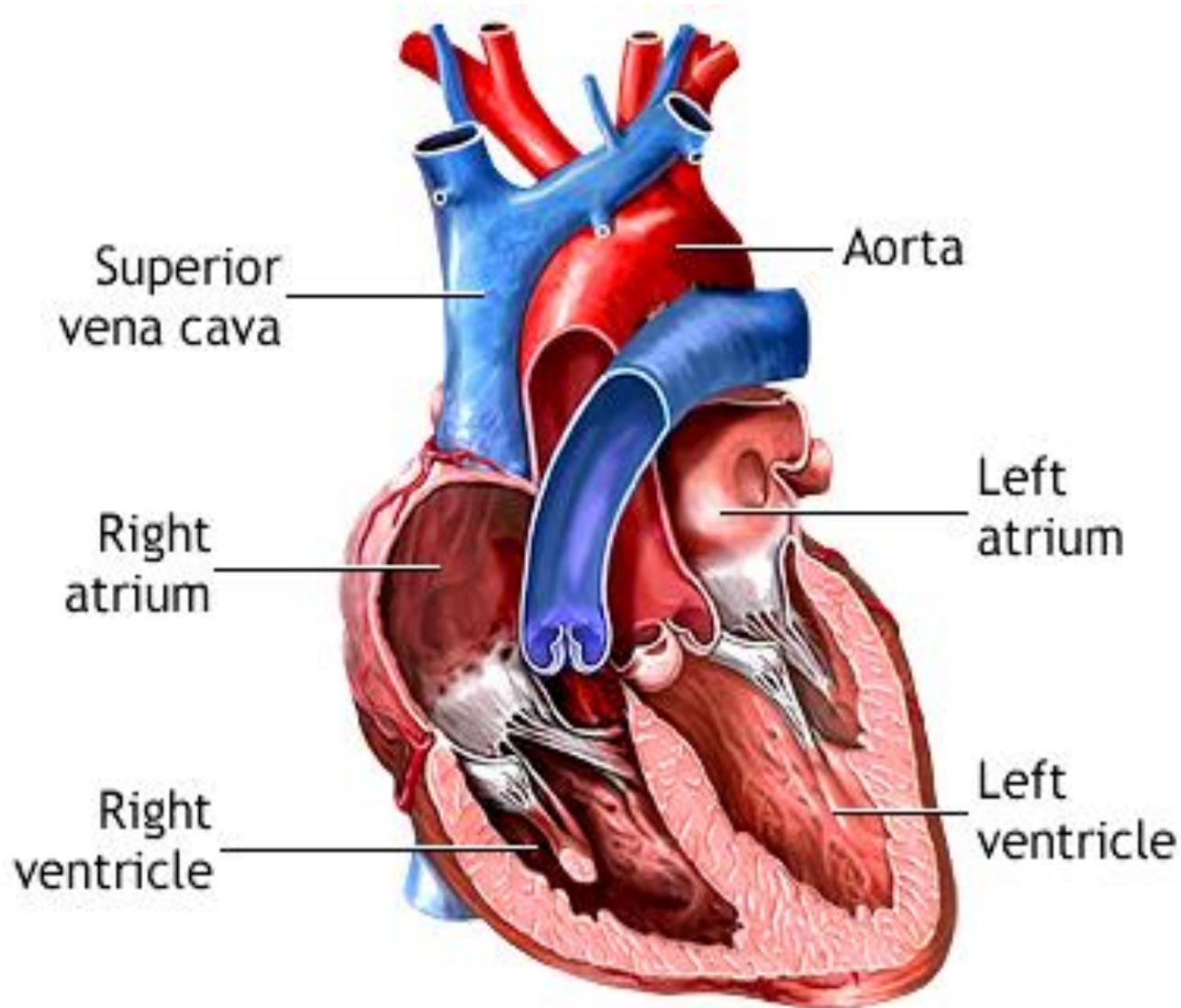
# The Heart



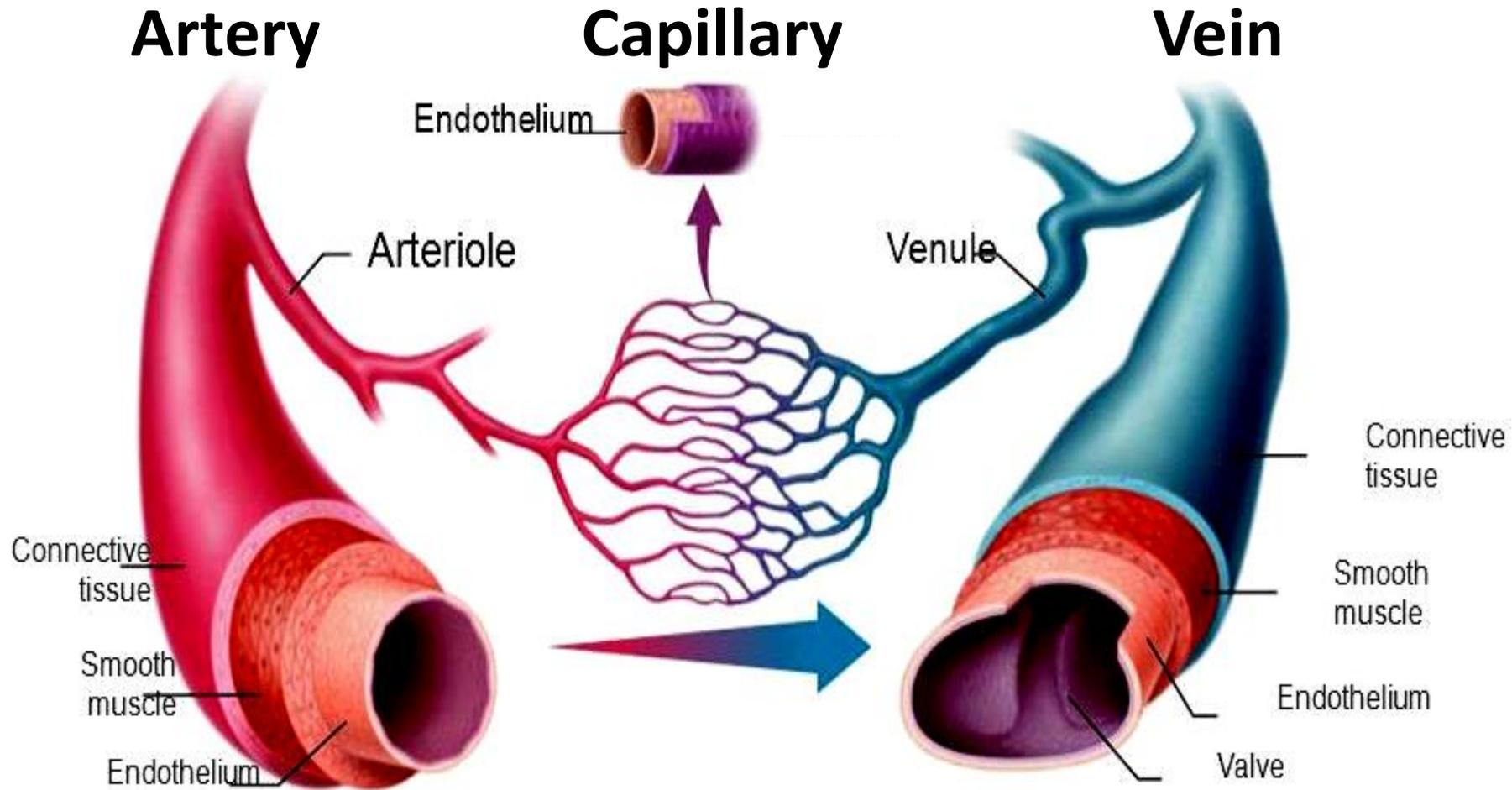
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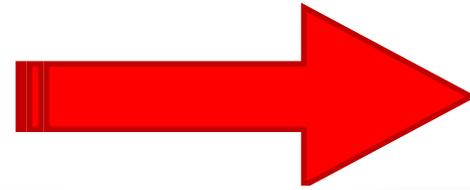
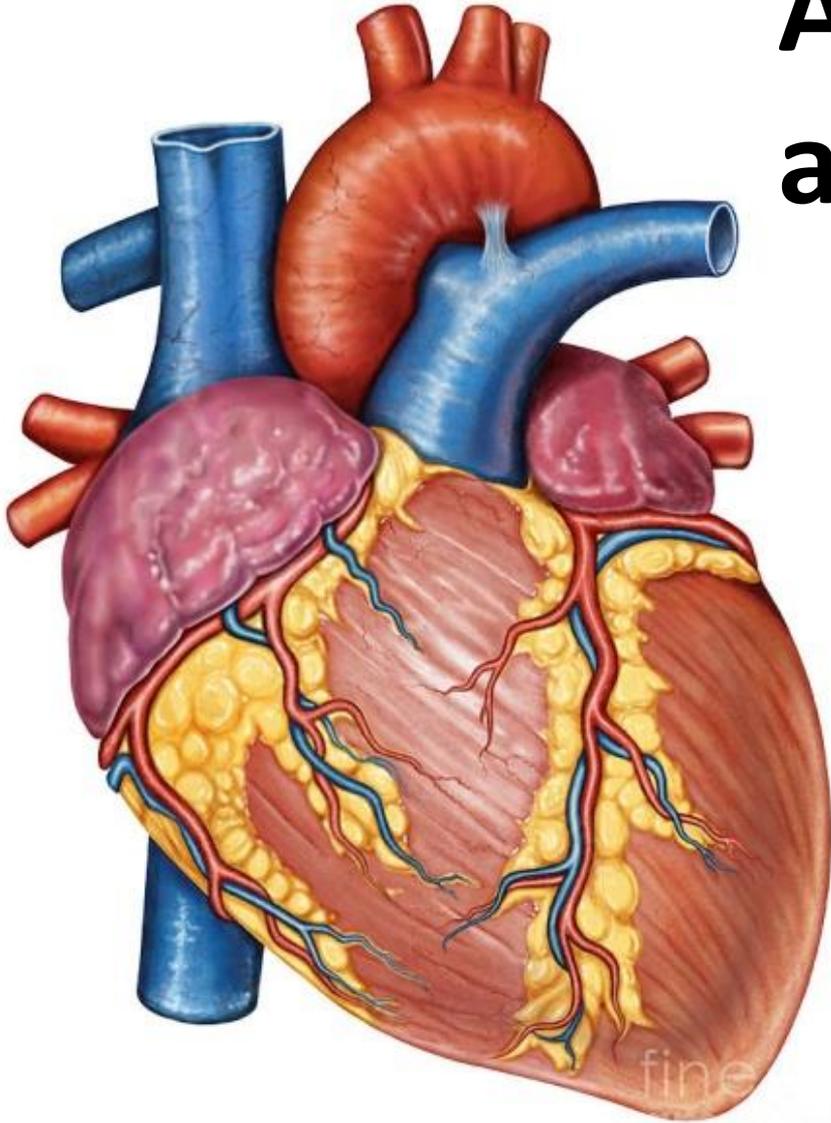
# The Heart



# Three Types of Blood Vessels



**Arteries carry blood away from the heart.**



**Veins carry blood back to the heart.**

