

Oct 22, 2019

- Chapter 22 Circulation
 - The heart
 - Valves and Heartbeat

Warm - up

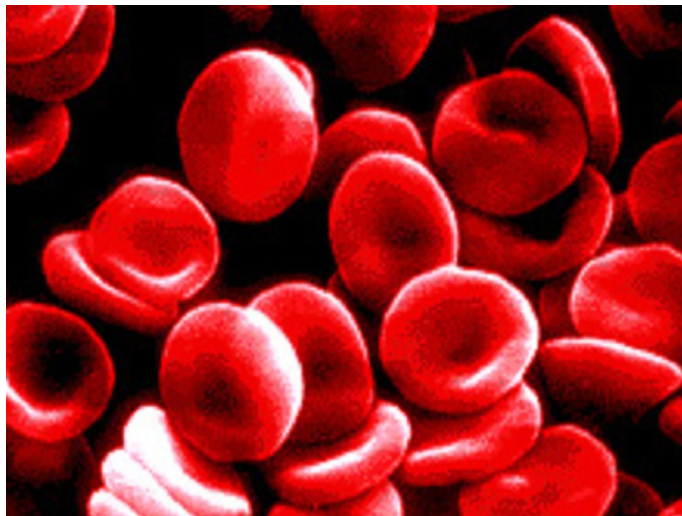
The average amount of blood in one person is litres

Chapter 22

Circulatory System

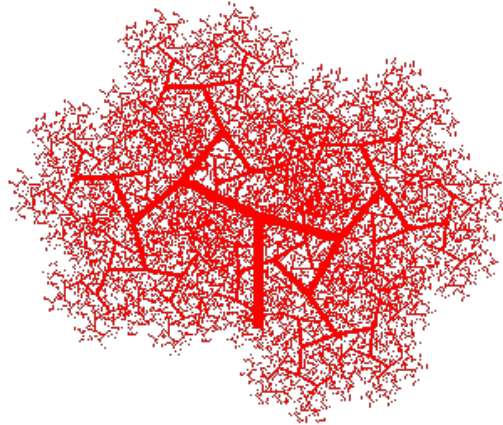
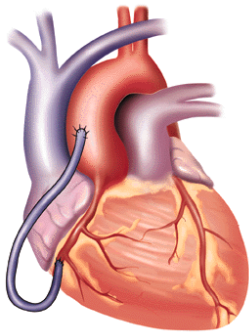
the transport system moving blood through your body

blood contains food, oxygen, and waste products



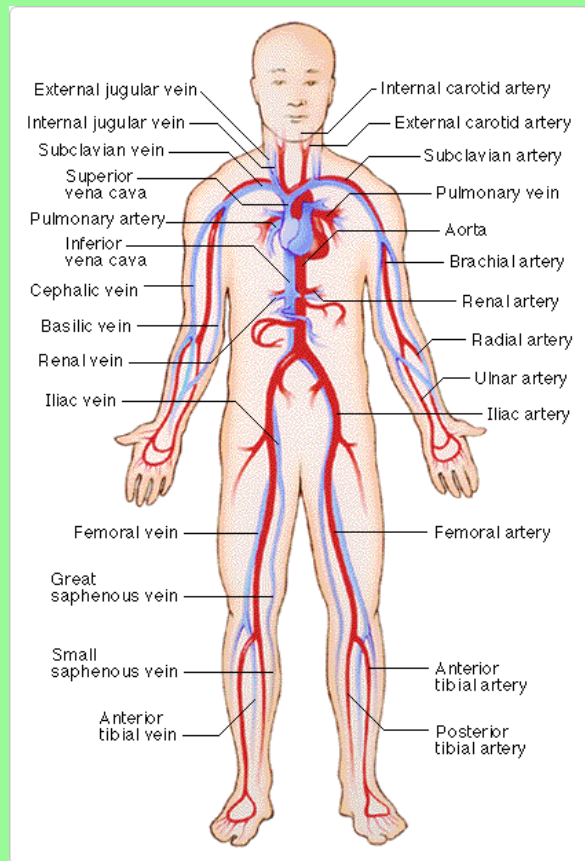
Circulation

The circulatory system is made up of the heart,
blood vessels, and blood.



Human Circulatory System

a closed system because the blood can never leave the blood vessels



The Heart

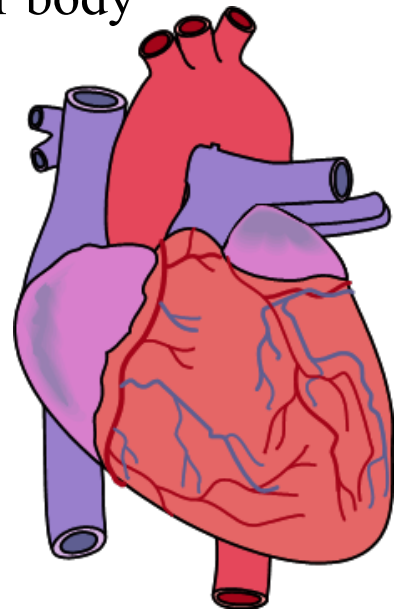


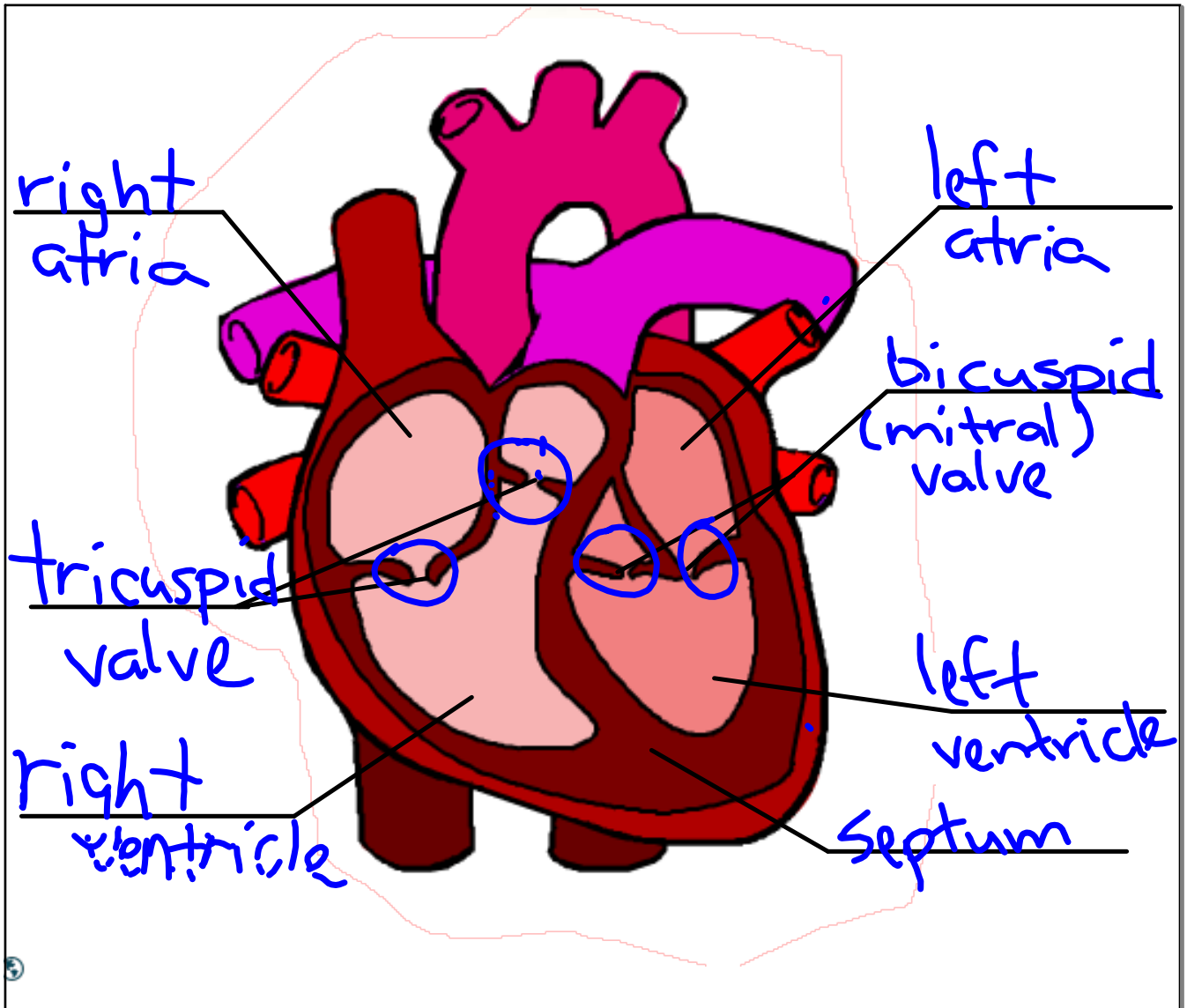
Job = to pump the blood throughout your body

It is a double pump that has two sides

Left: pumps blood to other parts of the body

Right: pumps blood to your lungs





Functions

Atria (left and right)

- receive blood returning to the heart from the body and lungs and pump it into the ventricles.

right atrium

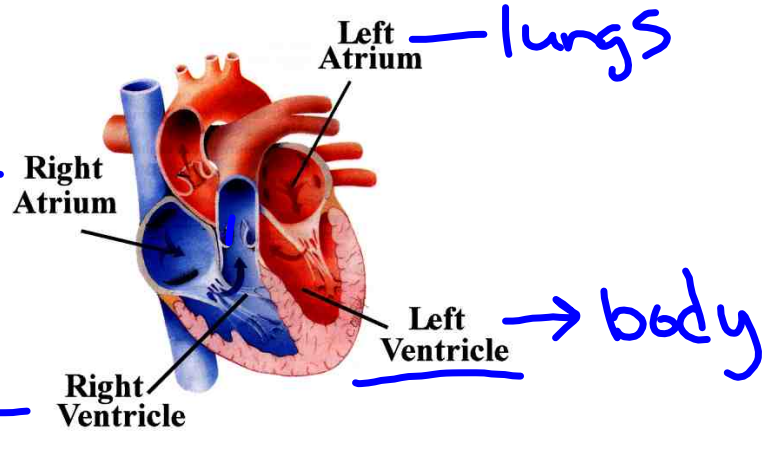
left atrium

Ventricle (left and right)

- ship/pump blood out of the heart to the lungs and the rest of the body.

right

left body



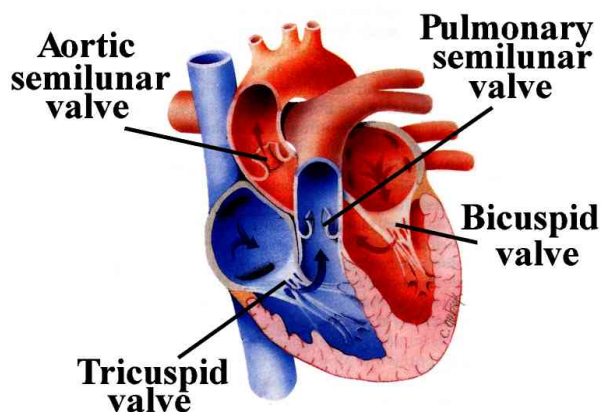
Valves:

- prevent blood from flowing backwards
- make sure the blood only flows in one direction

tricuspid = separates the right atrium and the right ventricle

bicuspid = separates the left atrium and the left ventricle

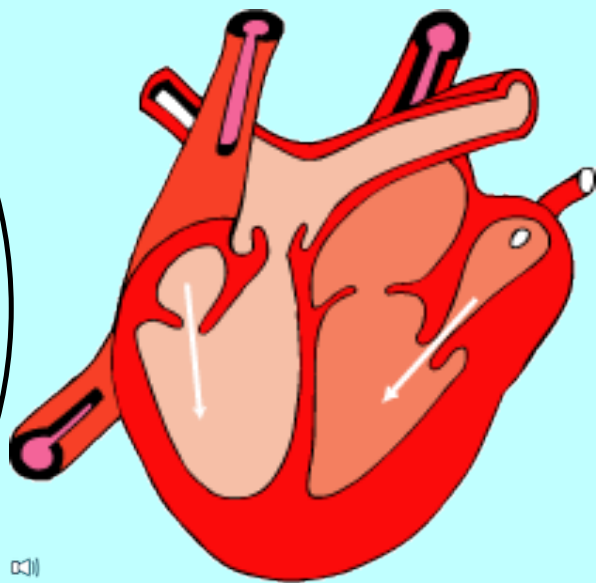
semi lunar = found between the ventricles and blood vessels



Heart Beats and Heart Murmors

Heartbeat is the rhythmic pumping of the heart. The **closing** of the heart valves makes Lub dup sounds. Lub = bicuspid and tricuspid valves closed

Dub = **semilunar** valves closed



If these valves are **damaged**, blood may flow back into the heart **causing** a heart murmur.

Attachments

Biology 113 blood vessel assignment.doc