

*BLOOD
CIRCULATORY
SYSTEM
IN
HUMANS*

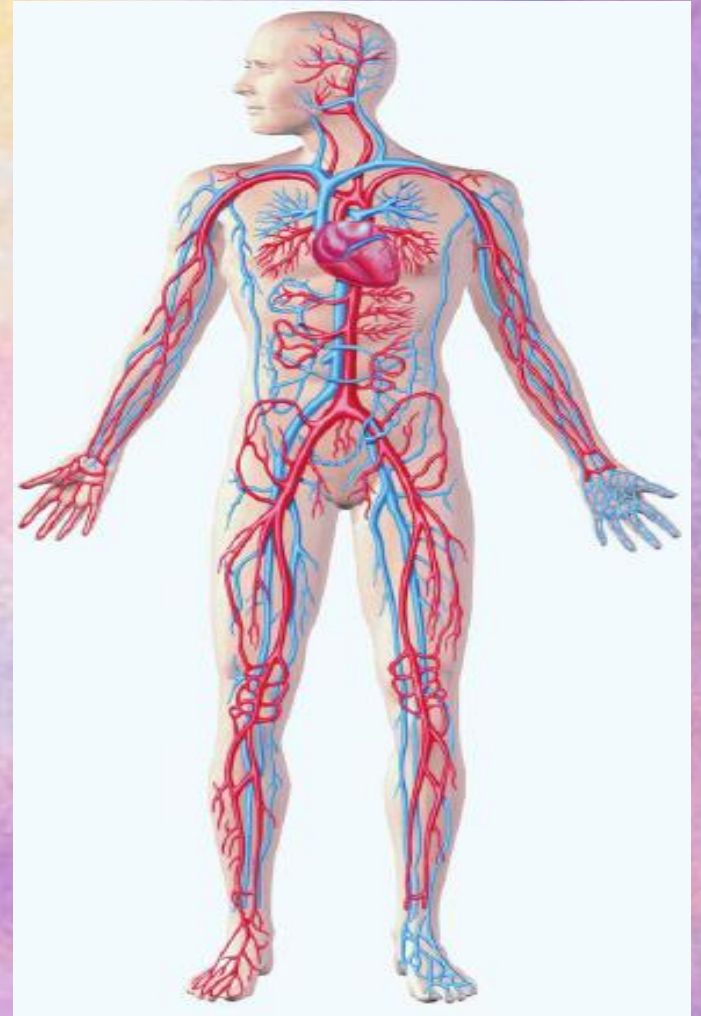
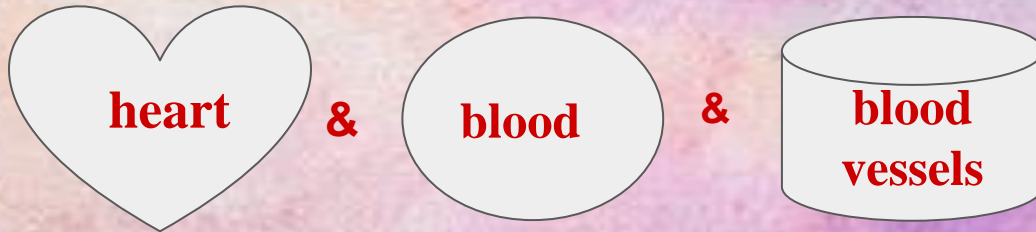


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➔ **Blood circulatory system**

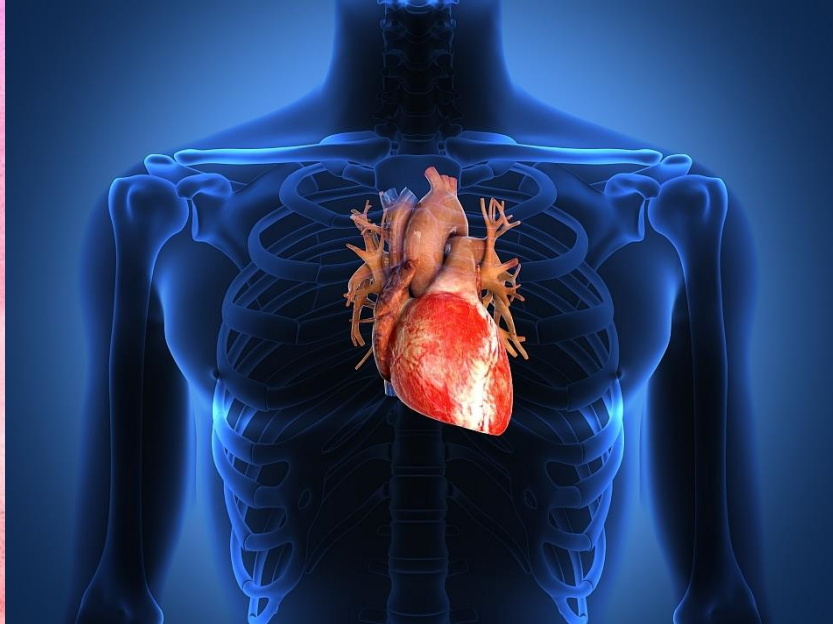
The blood circulatory system ensures blood circulation throughout the body

➔ **Components of the blood circulatory system:**

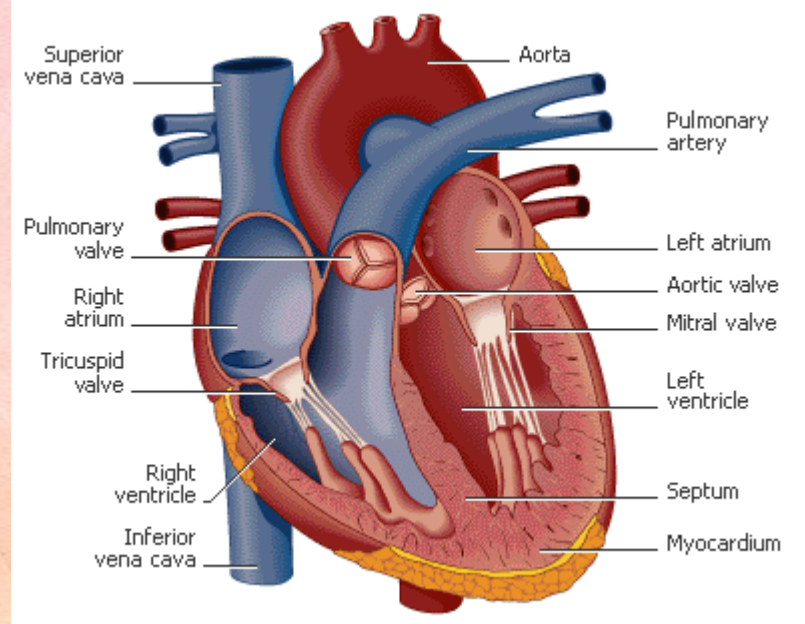


HEART

LOCALIZATION



COMPOSE



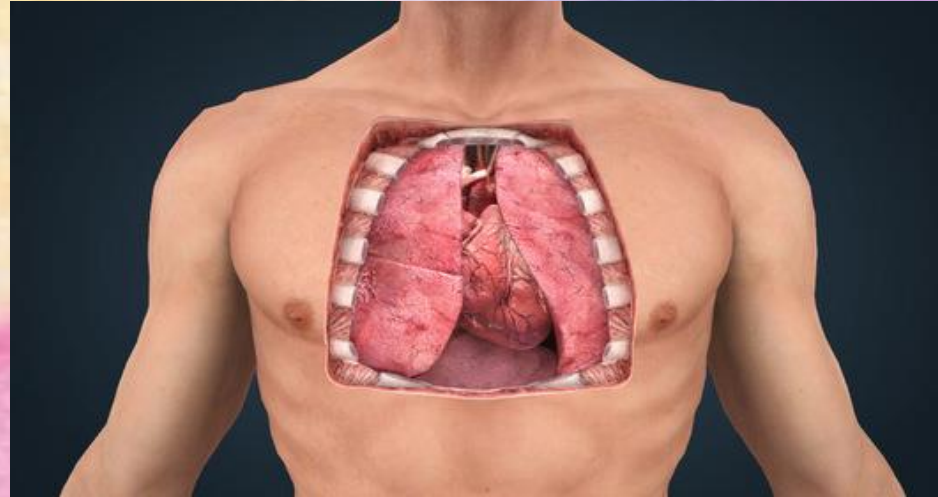
HEART

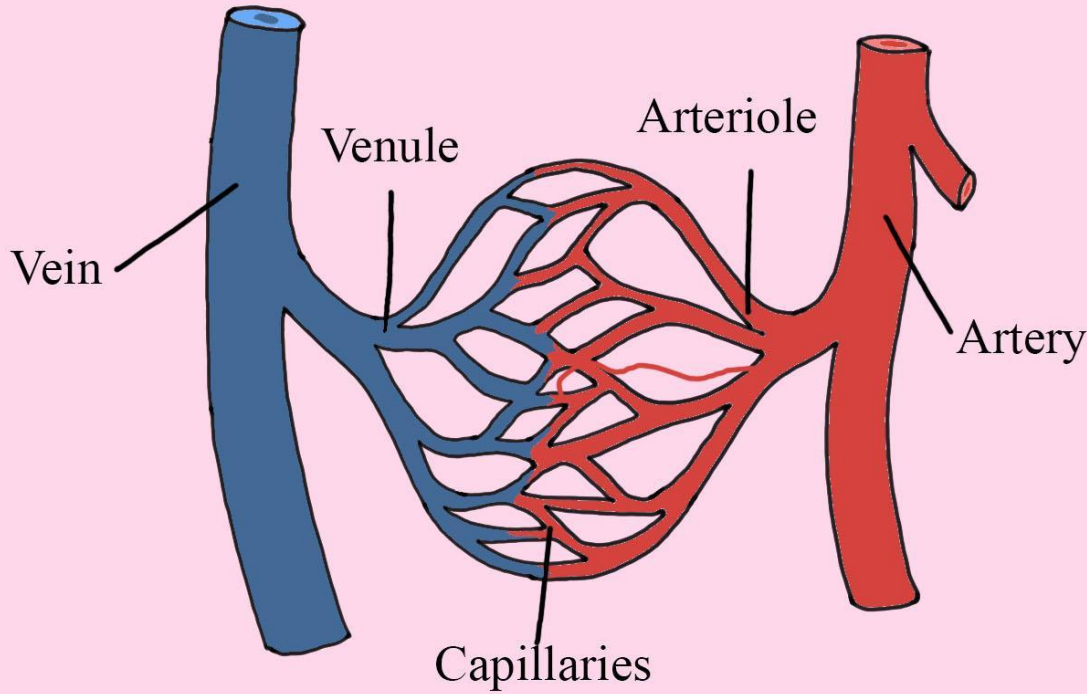
LOCALIZATION:

- located in the chest
- between the two lungs
- tipped down and slightly to the left

COMPOSE:

- the heart wall consists of the pericardium, myocardium and endocardium
- is tetracameral: two atria and two ventricles
- the atria are located at the base of the heart
- the ventricles are placed at the tip of the heart
- atria communicate with the ventricles through the atrioventricular valves
- the left side of the heart with oxygenated blood is completely separated from the side right of the heart with unoxygenated blood





Blood vessels

**TYPES OF
BLOOD VESSELS**

BLOOD VESSELS

ARTERIES	VEINS	CAPILLARIES
<ul style="list-style-type: none">-blood circulates from the heart into the body-has elastic fibers in the wall structure-the largest arteries are the aorta artery and the pulmonary artery-the smallest are called arterioles	<ul style="list-style-type: none">-blood circulates from the body to the heart-have valves on the route-the largest veins are cave veins-the smallest are called venules	<ul style="list-style-type: none">-are the smallest blood vessels-the wall consists of a single layer of cells-makes the connection between arterioles and venules

Did you know that:

- You can find out how big your heart is and without seeing it, its size being approximately the size of your fist*
- Almost a third of the world's population suffers from heart disease*
- Put together the blood vessels in the human body, have a length of over 96,000 km.*
- The largest blood vessel, the aorta artery is about 3.5 cm in diameter.*