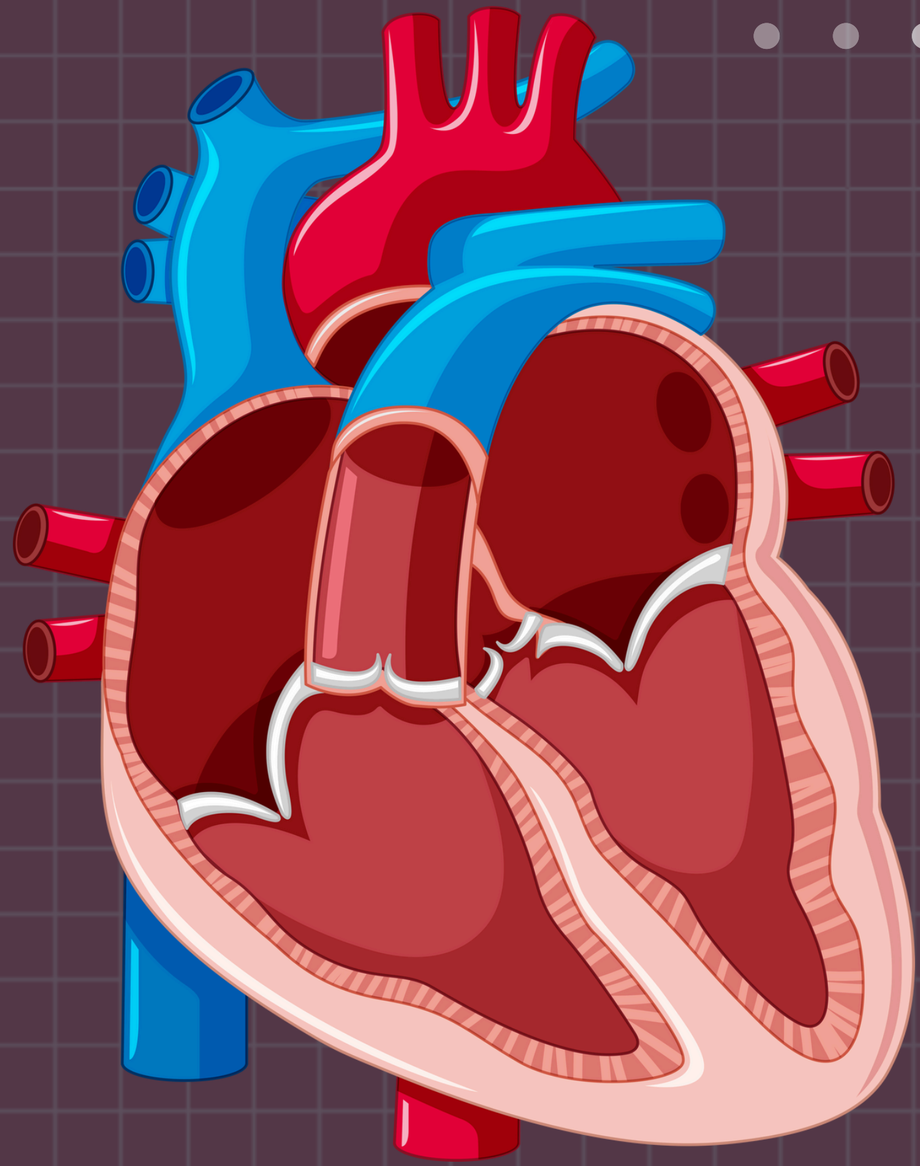
PRESENTATION

LABEL THE HEART

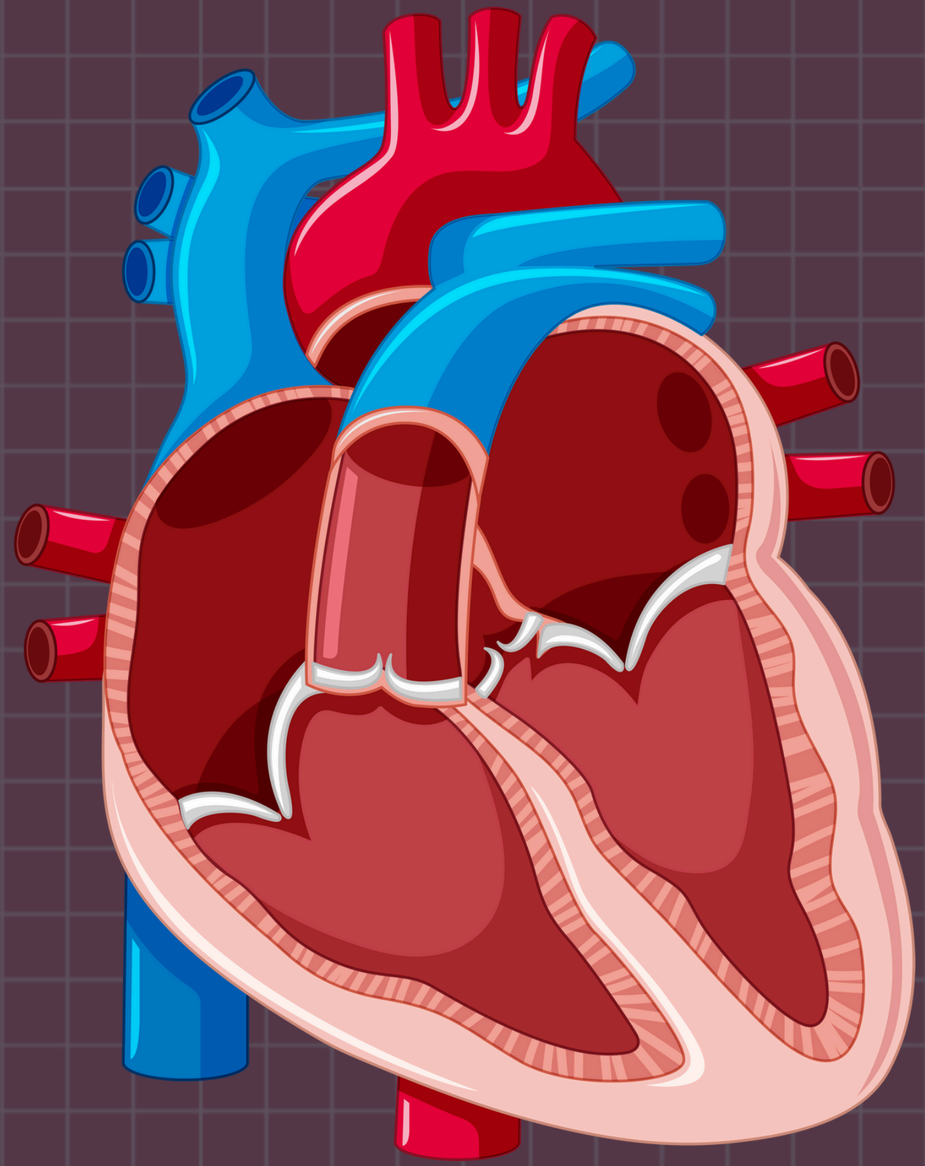


LEARNING POINTS

Label the key areas of the heart

Describe why humans have a double circulatory system

Explain the path of blood flow through both sides of the heart



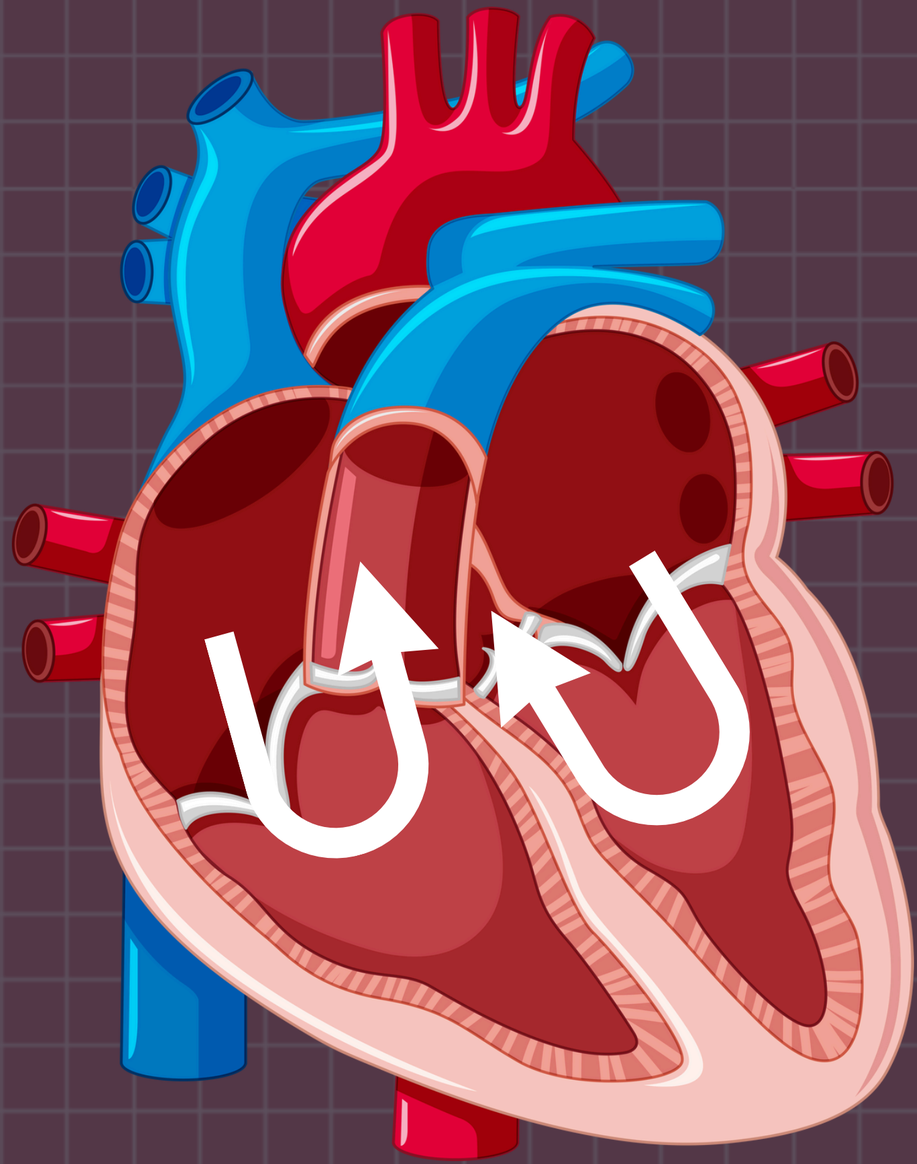
WHAT IS THE ROLE OF THE HEART?

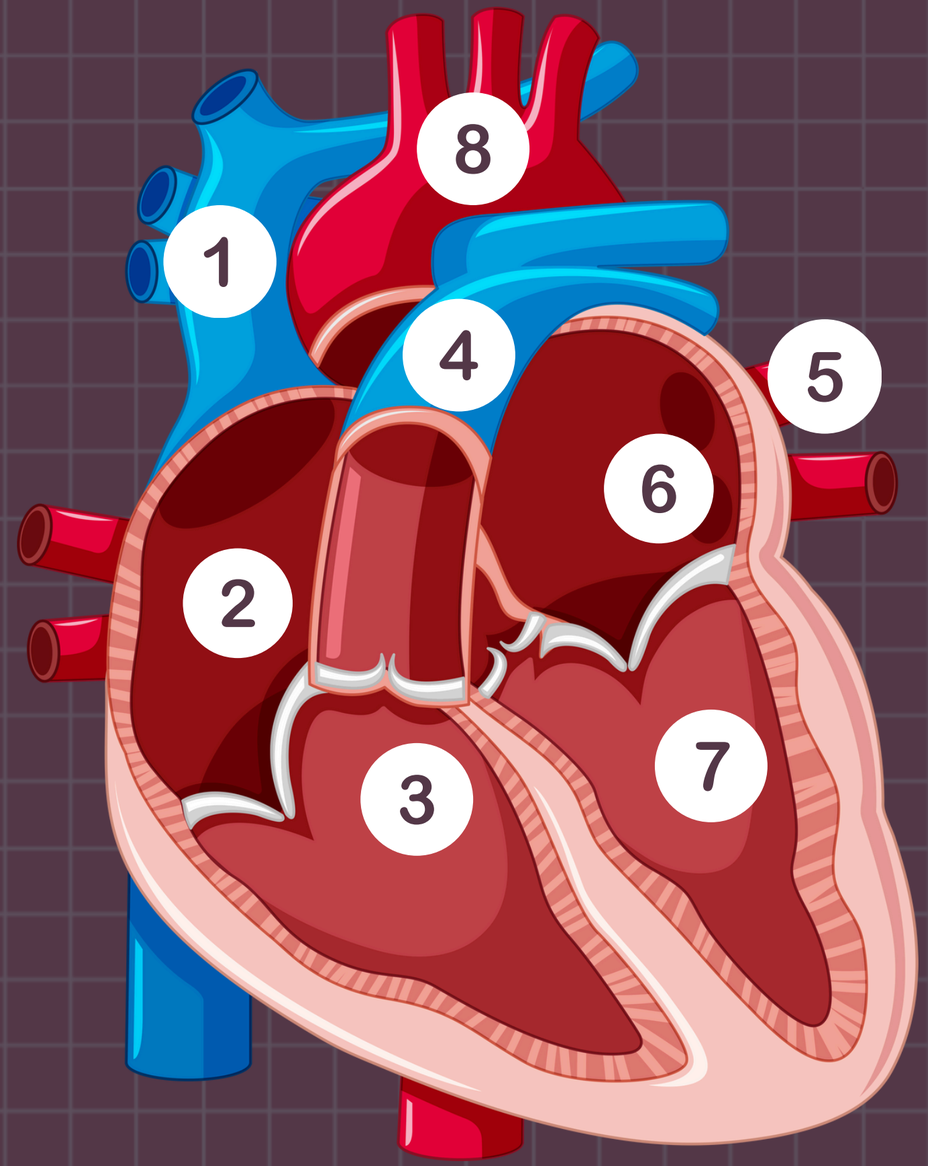
The heart is a pump and its role is to pump blood around the body. The right side pumps deoxygenated blood to the lungs. The left side pumps oxygenated blood to the body.

The heart contains valves to prevent the backflow of blood.

THE DOUBLE CIRCULATORY SYSTEM

Humans have a double circulatory system. This means that blood travels through the heart twice in one circulation of the body.

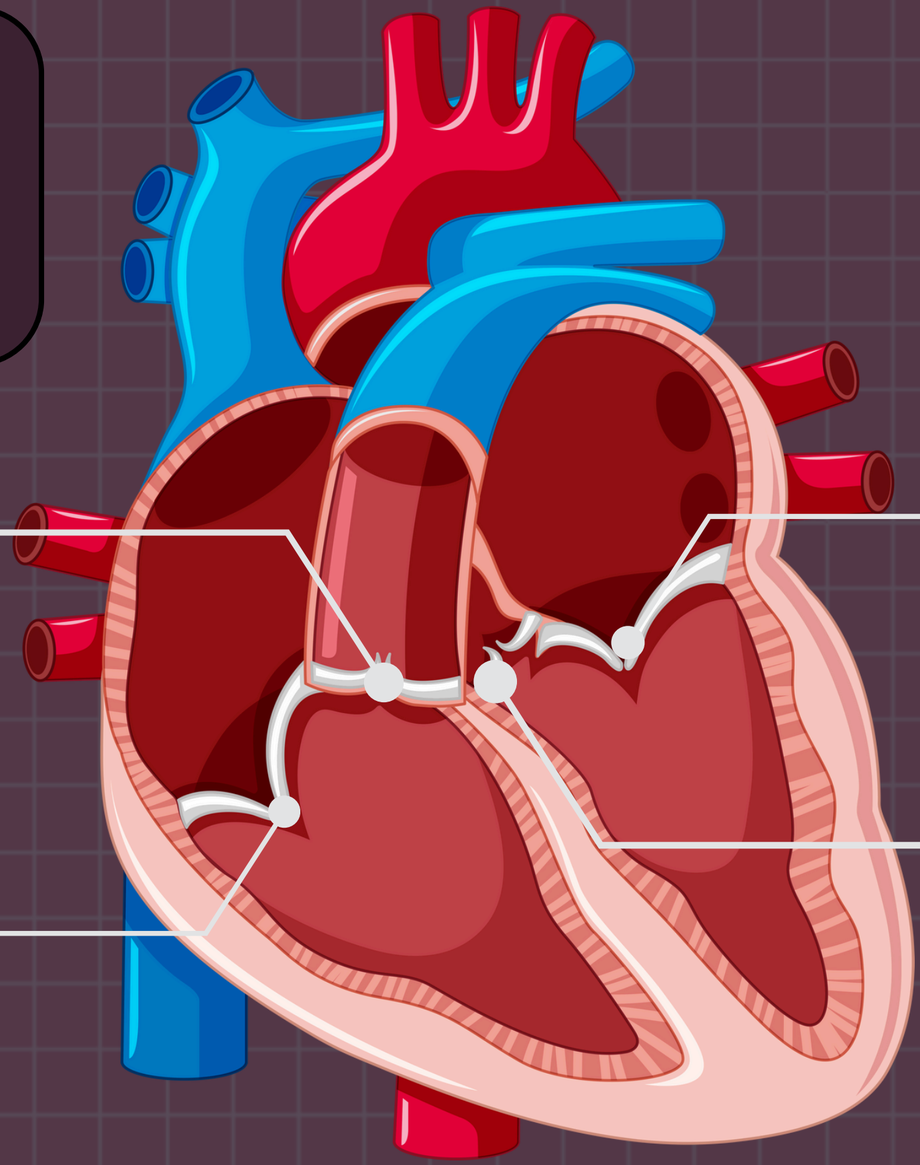




PARTS OF THE HEART

1. Vena cava
2. Right atrium
3. Right ventricle
4. Pulmonary artery
5. Pulmonary vein
6. Left atrium
7. Left ventricle
8. Aorta

VALVES IN THE HEART



Pulmonary valve

Mitral valve

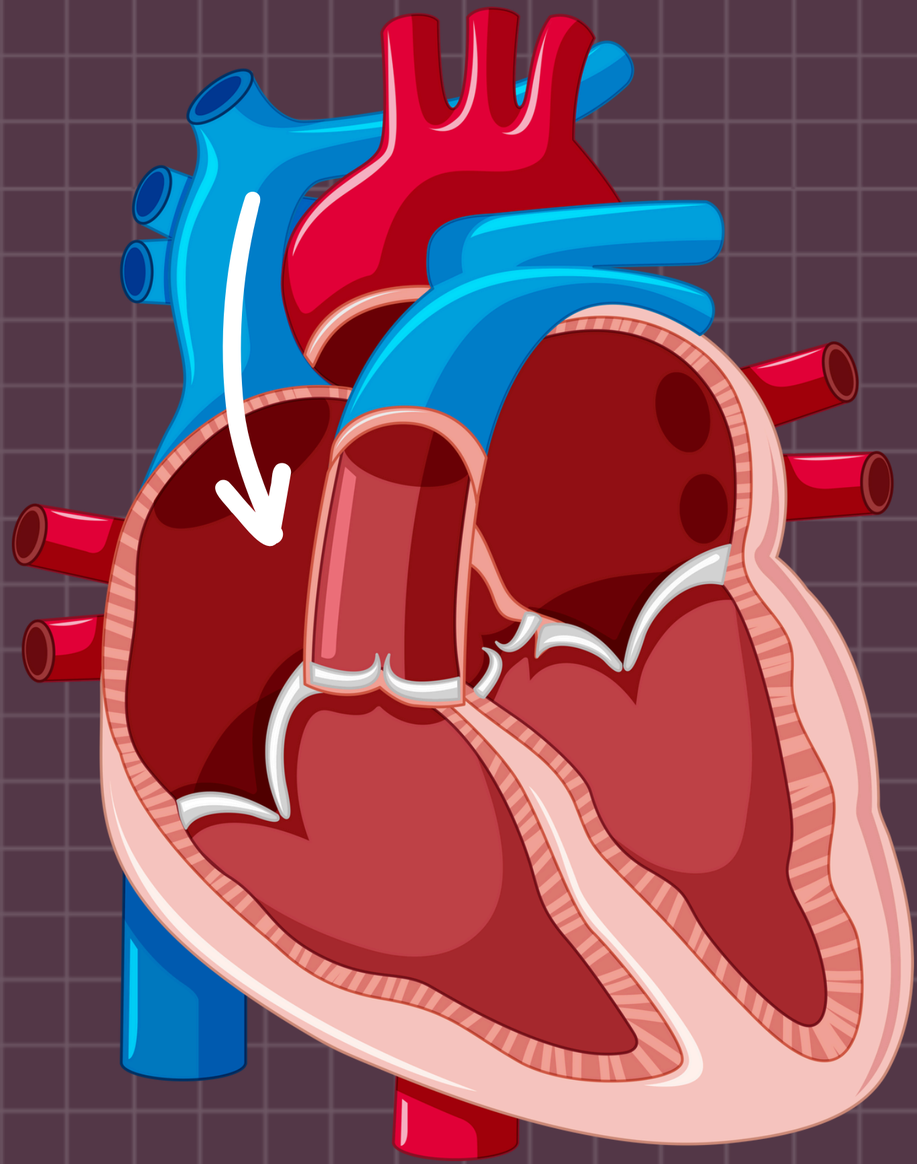
Tricuspid valve

Aortic valve

BLOOD FLOW

1 - THE RIGHT SIDE

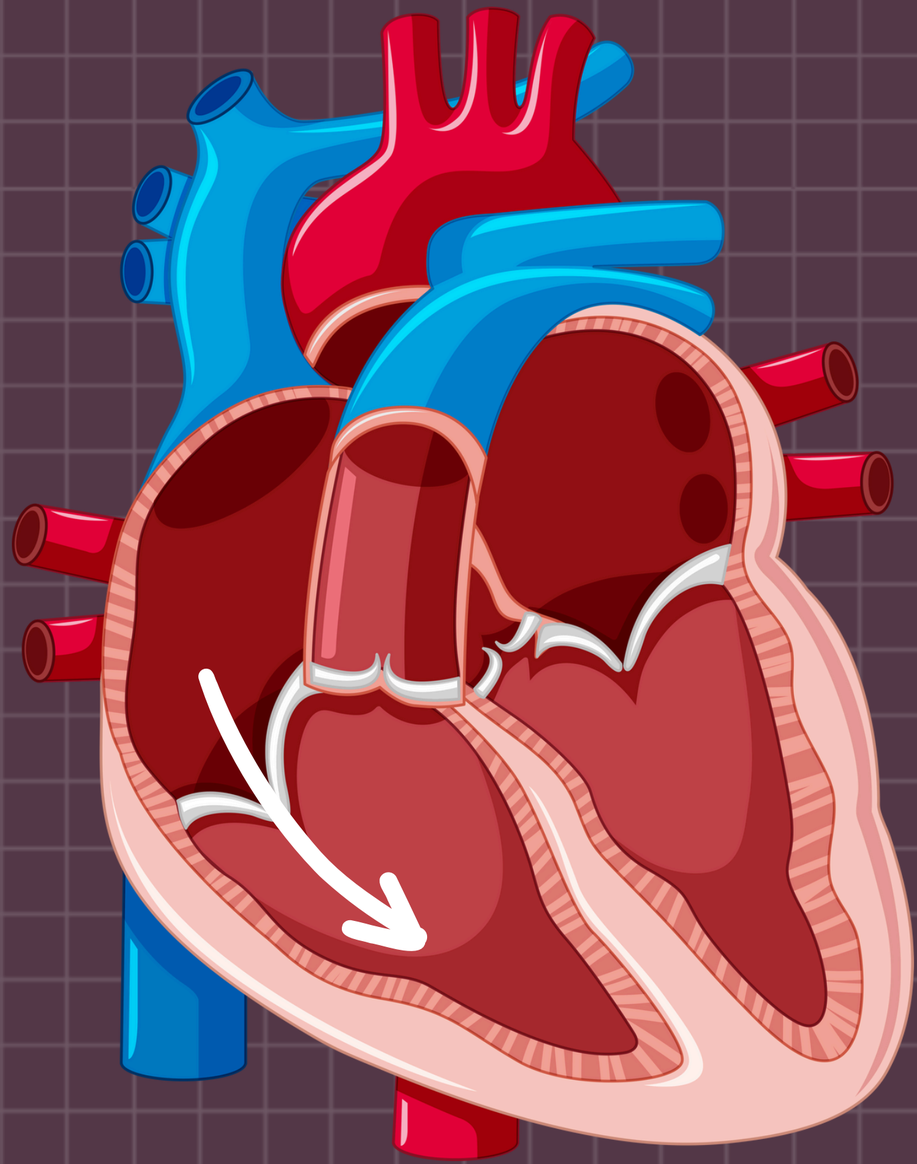
Deoxygenated blood passes through the vena cava and into the right atrium.



BLOOD FLOW

2 - THE RIGHT SIDE

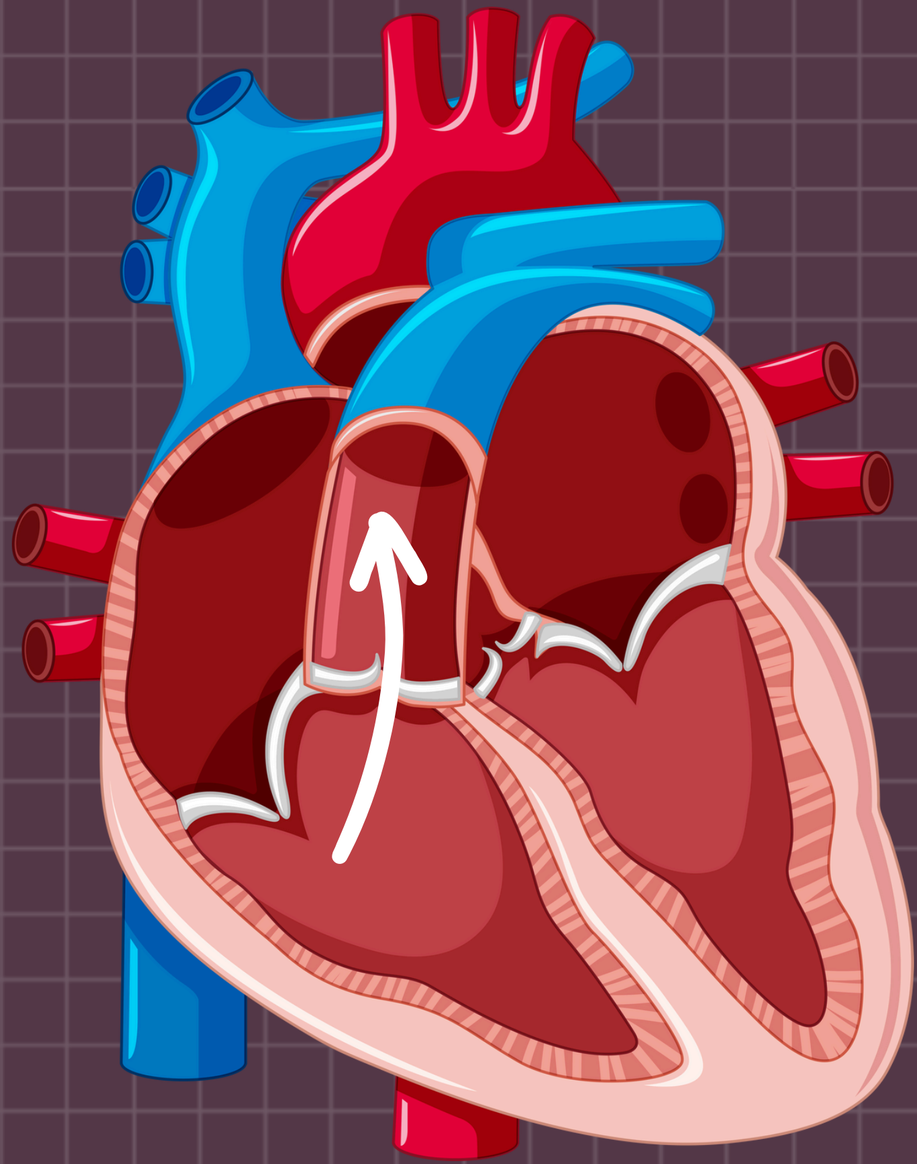
Blood moves from the right atrium to the right ventricle, passing through the tricuspid valve.

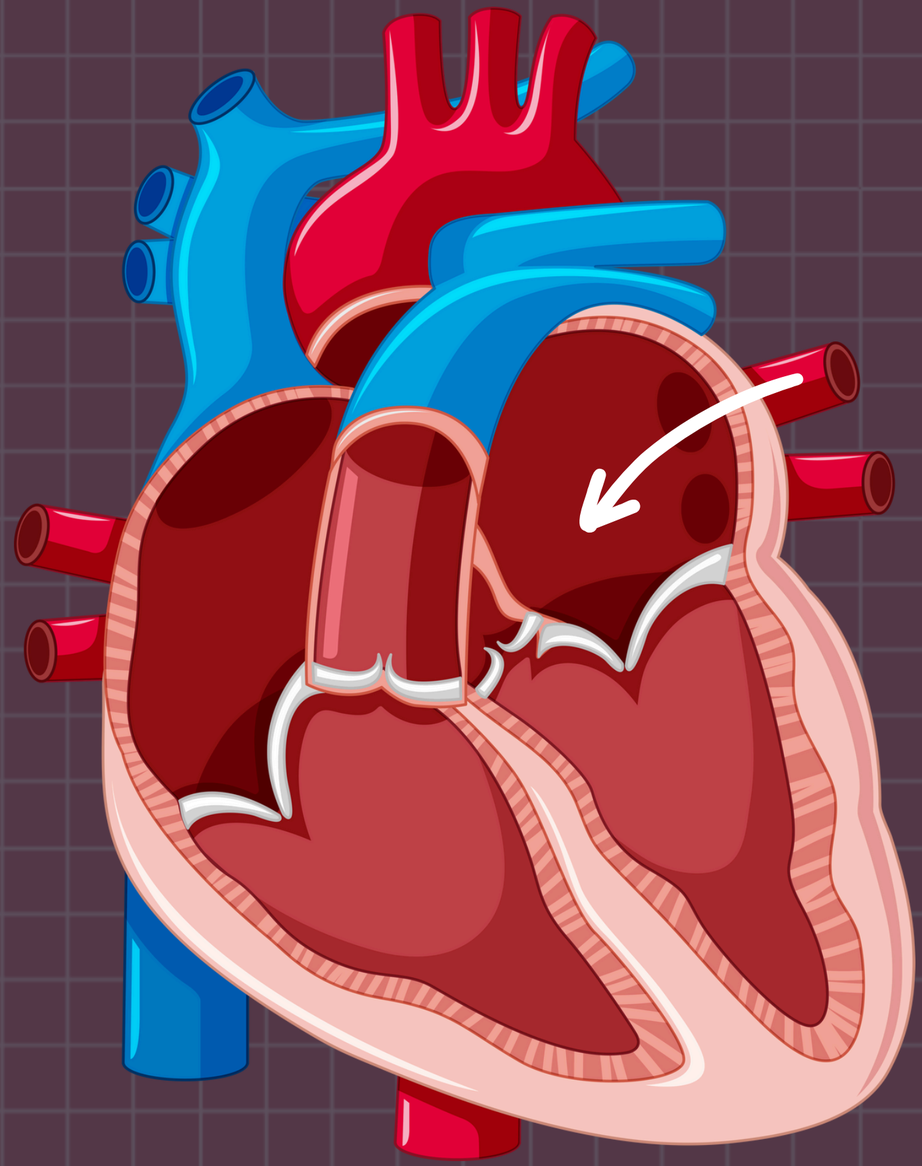


BLOOD FLOW

3 - THE RIGHT SIDE

Blood is pumped from the right ventricle and into the pulmonary artery through the pulmonary valve. The pulmonary artery then carries deoxygenated blood to the lungs.

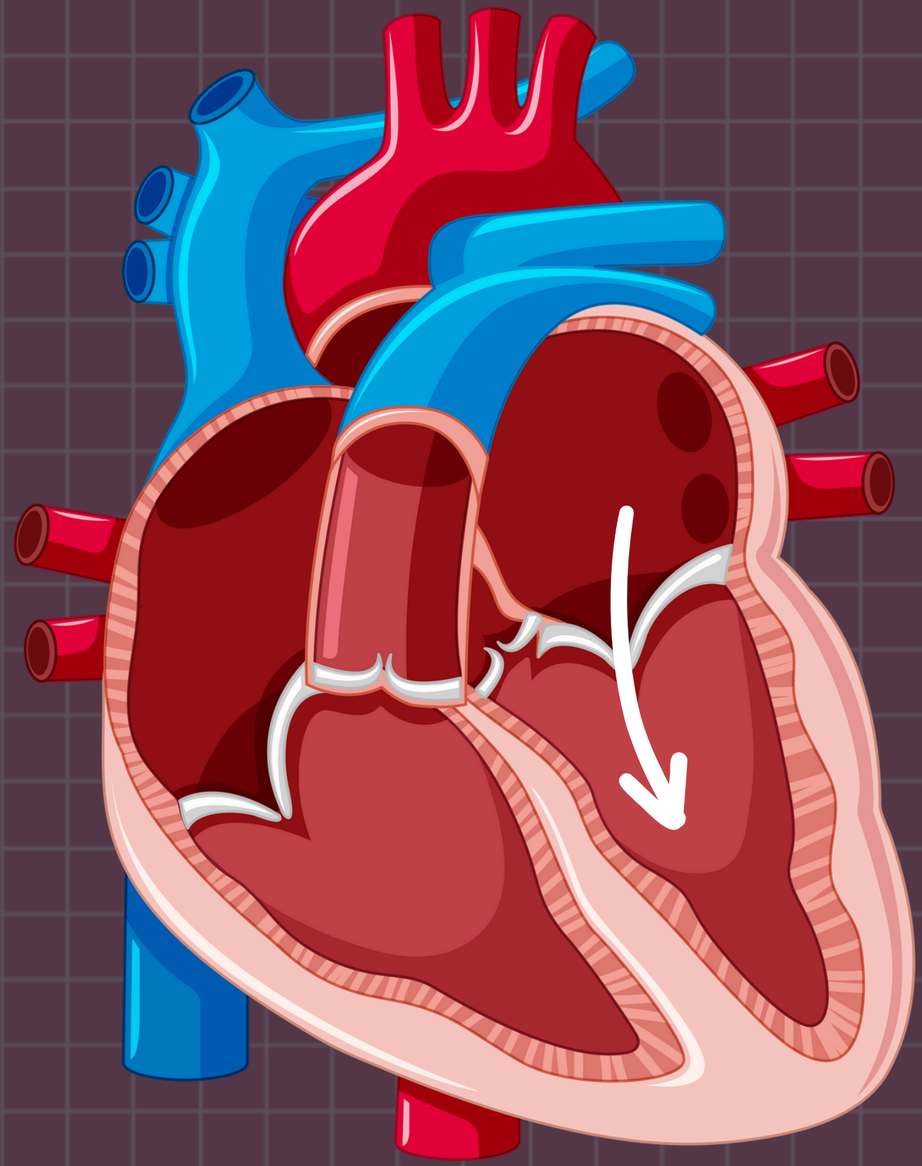




BLOOD FLOW

1 - THE LEFT SIDE

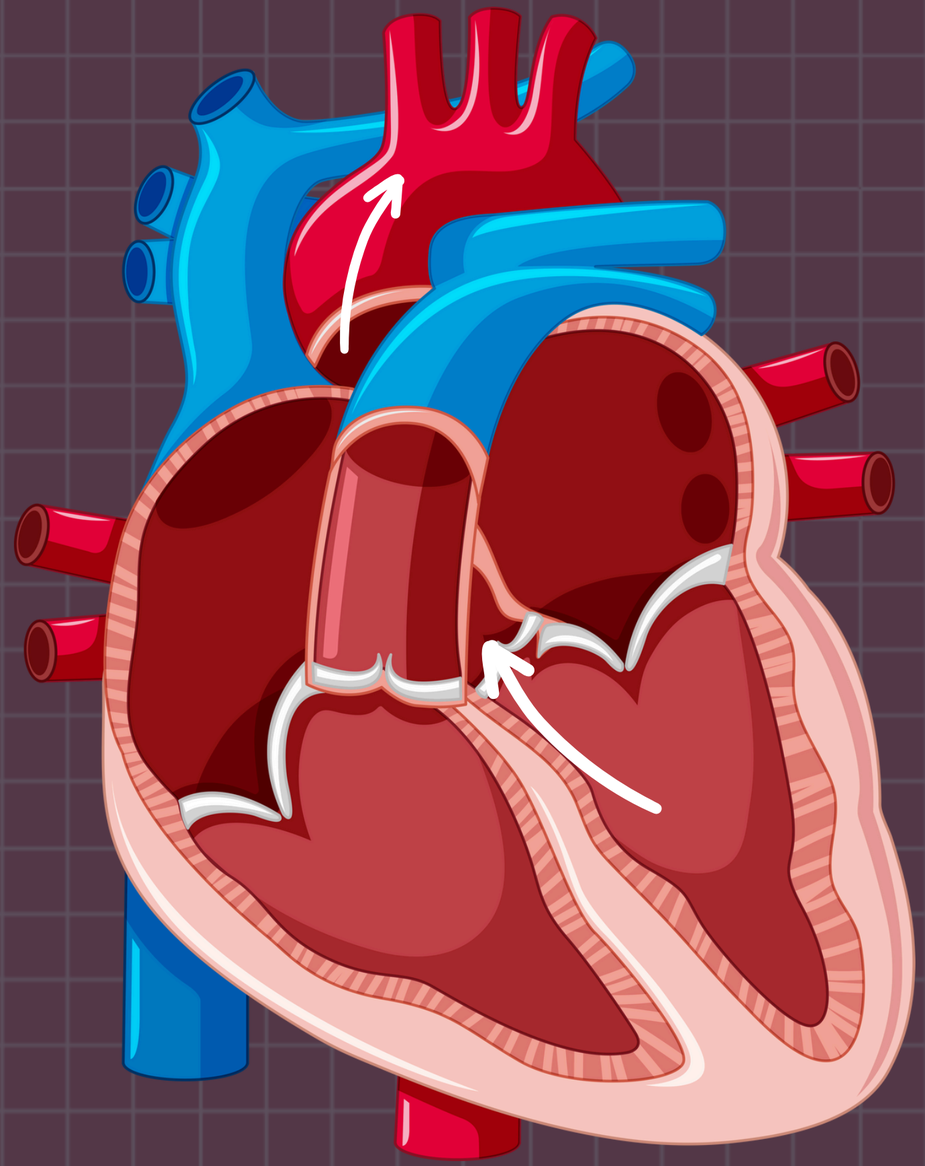
Oxygenated blood leaves the lungs via the pulmonary vein, which pumps the blood into the left atrium.



BLOOD FLOW

2 - THE LEFT SIDE

The blood leaves the left atrium and passes through the mitral valve into the left ventricle.



BLOOD FLOW

3 - THE LEFT SIDE

The blood is pumped from the left ventricle, through the aortic valve and into the aorta. From the aorta, the blood is pumped around the rest of the body.

WELL DONE

LABEL THE HEART