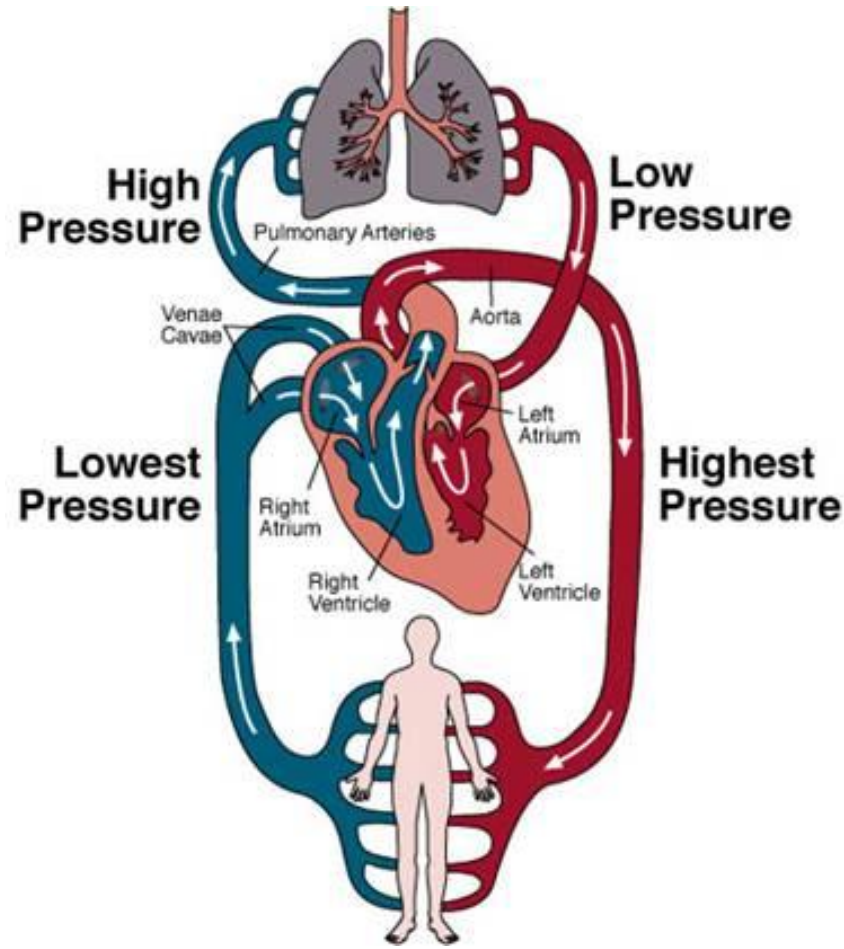




Heart Structure

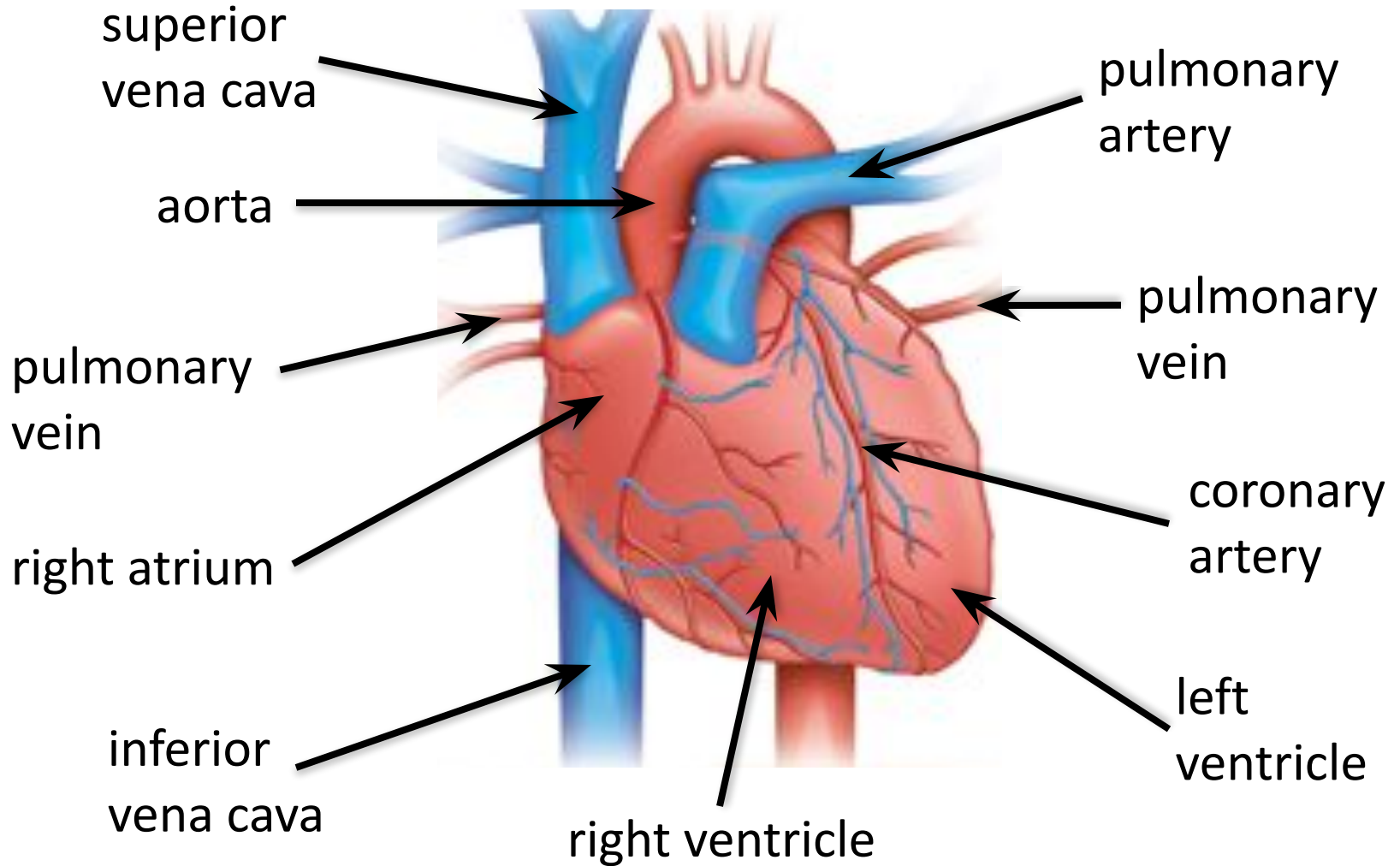
Faiq Bin Zahid

Blood travels through the heart twice before returning to the body



The double circulatory system

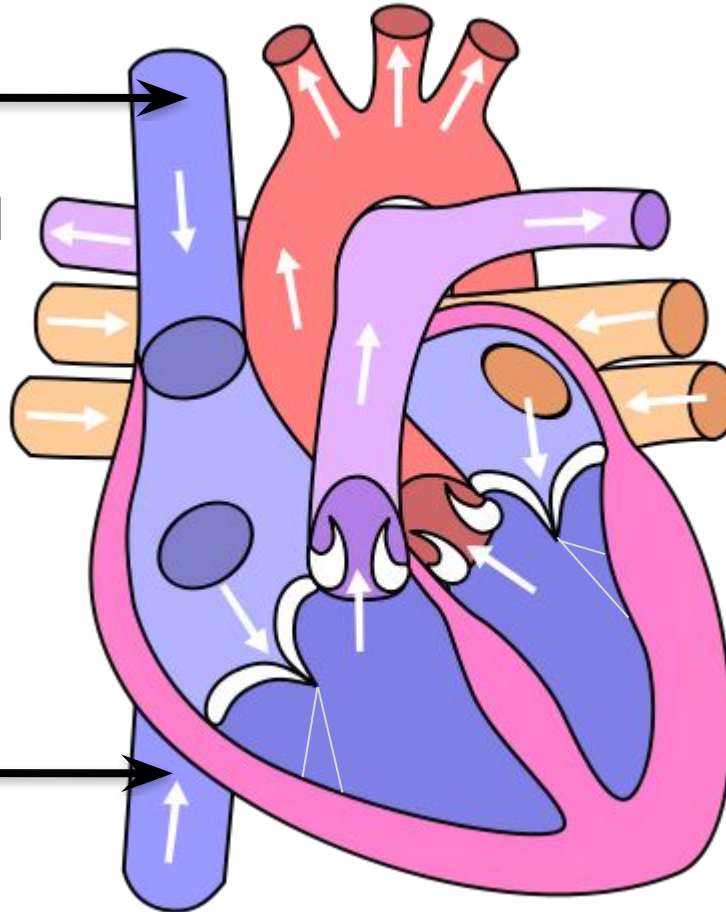
External view of the heart



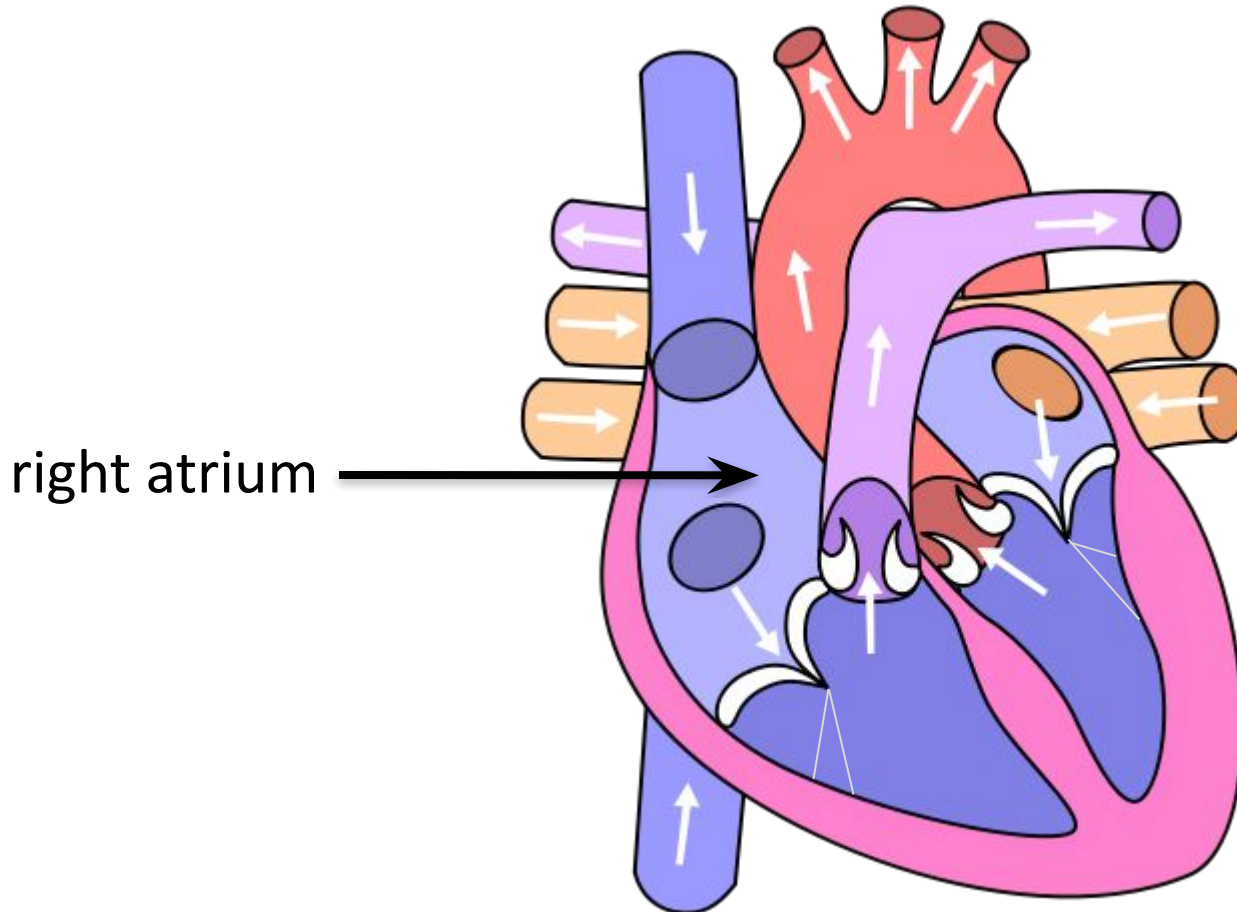
The vena cava carries deoxygenated blood from the body to the right atrium

superior
vena cava
(transports blood
from the head)

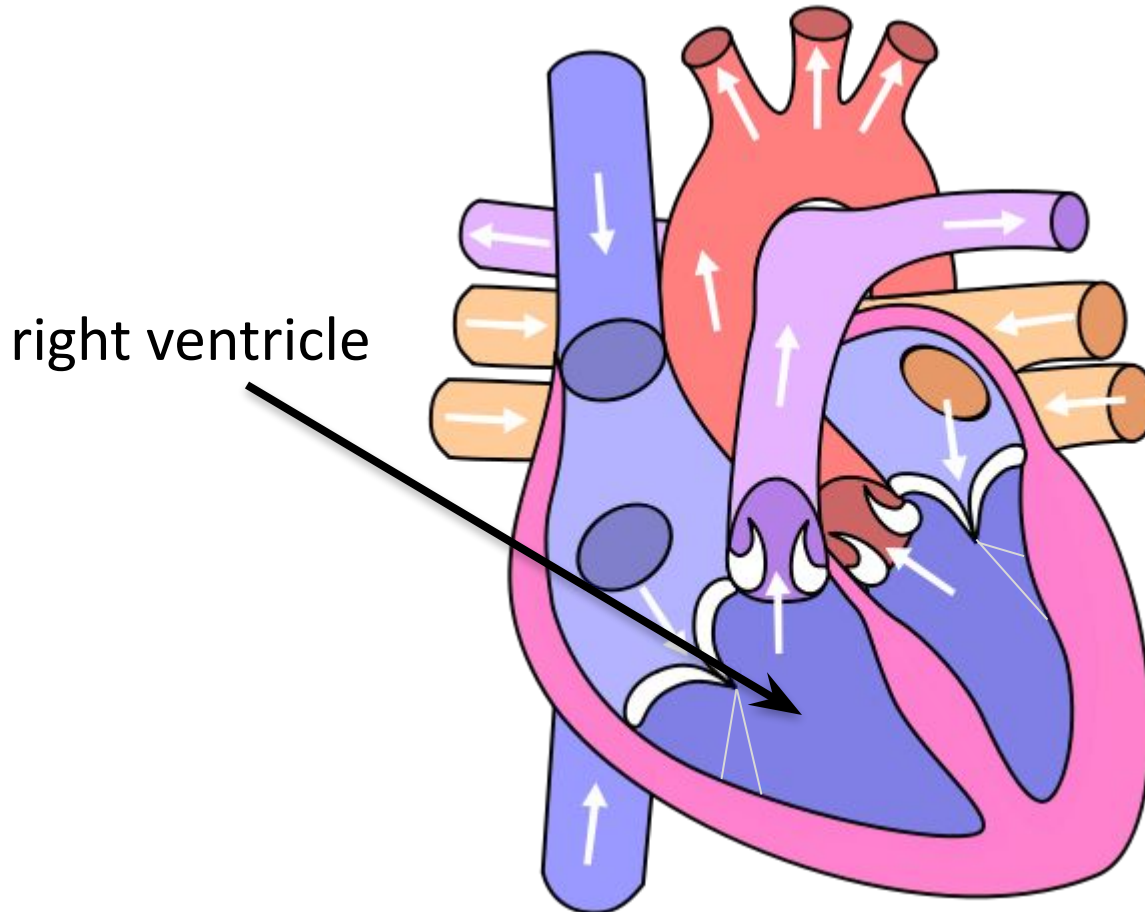
inferior
vena cava
(transports blood
from rest of body)



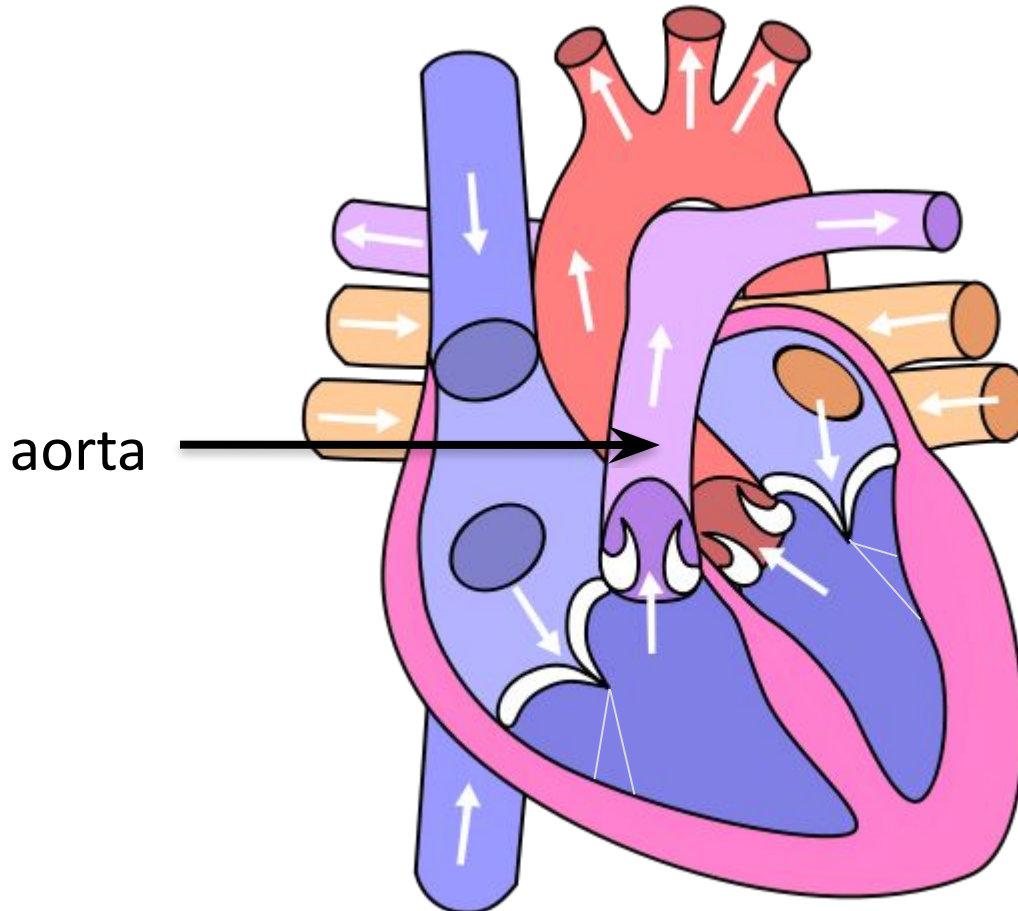
The right atrium collects deoxygenated blood and pumps it to the right ventricle



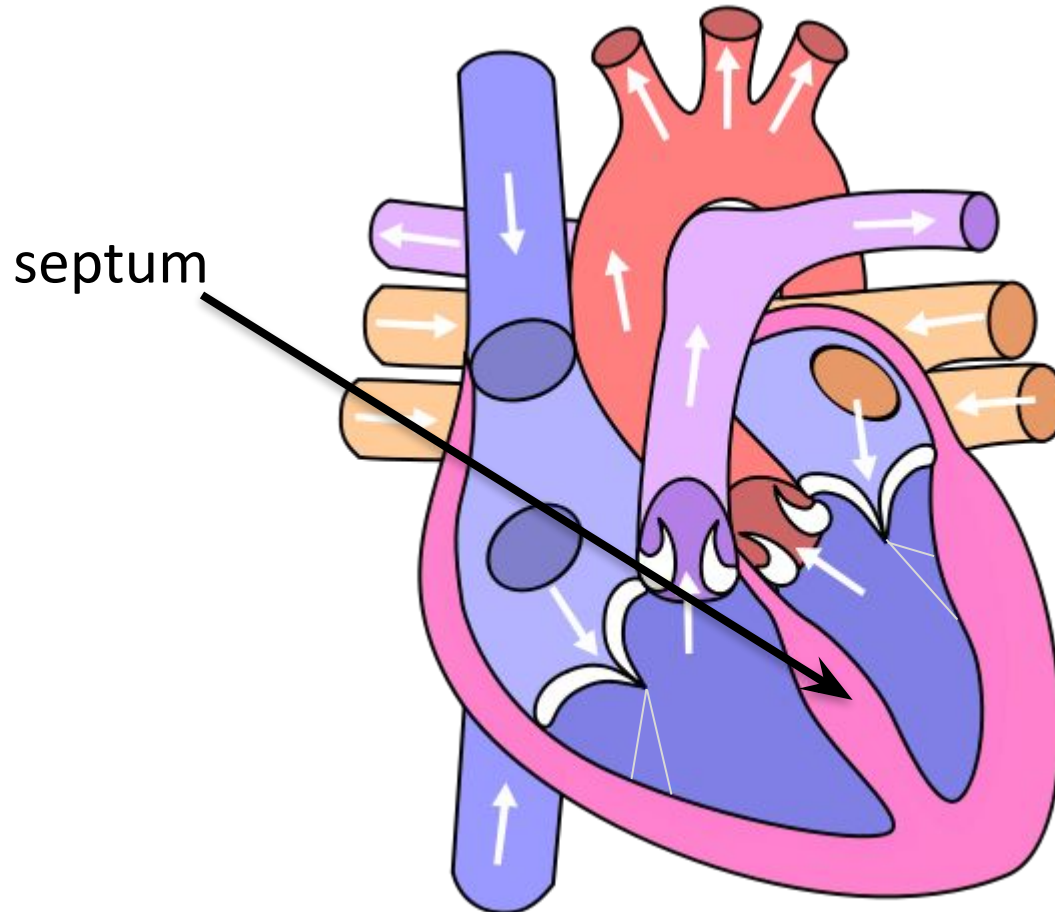
The right ventricle pumps deoxygenated blood to the lungs



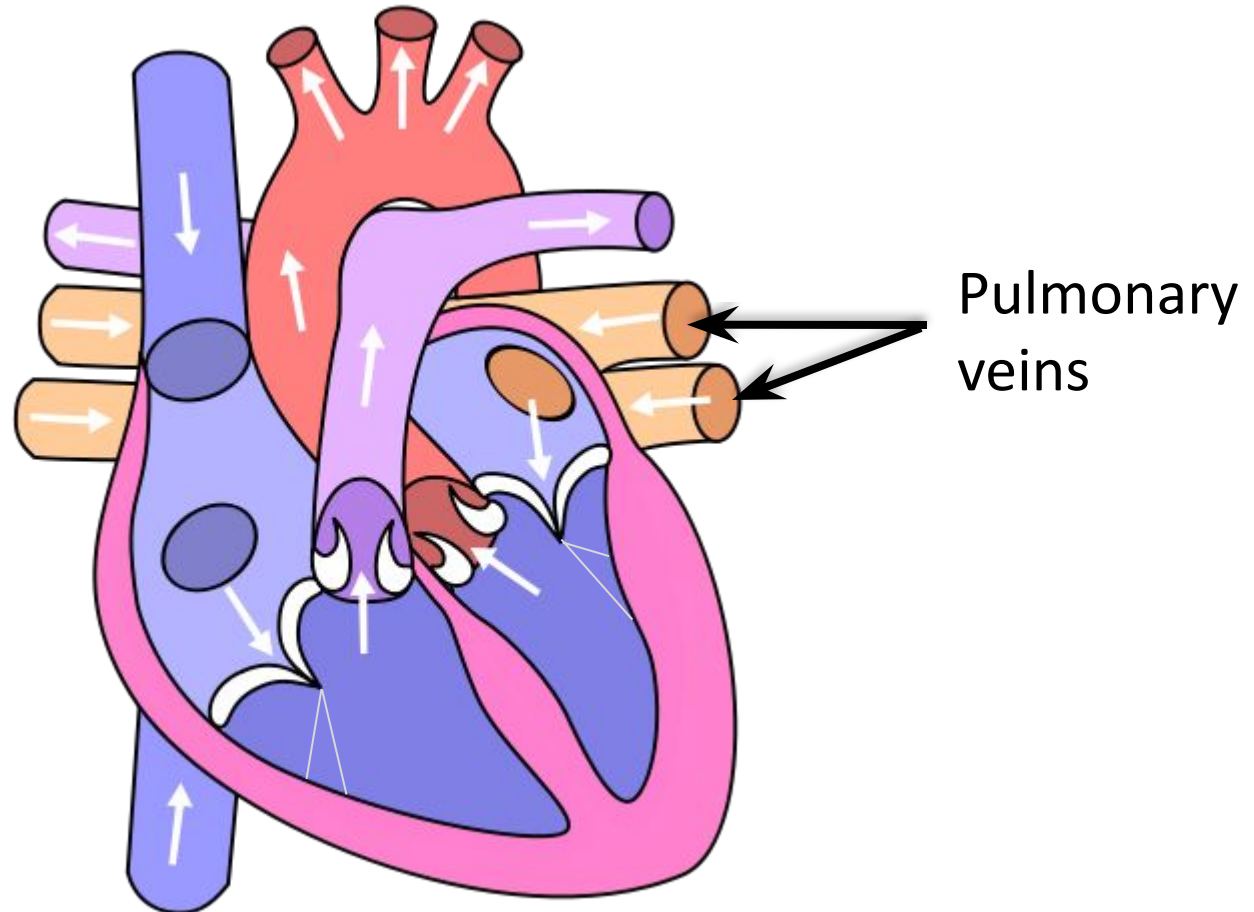
The pulmonary artery carries deoxygenated blood from the right ventricle to the lungs



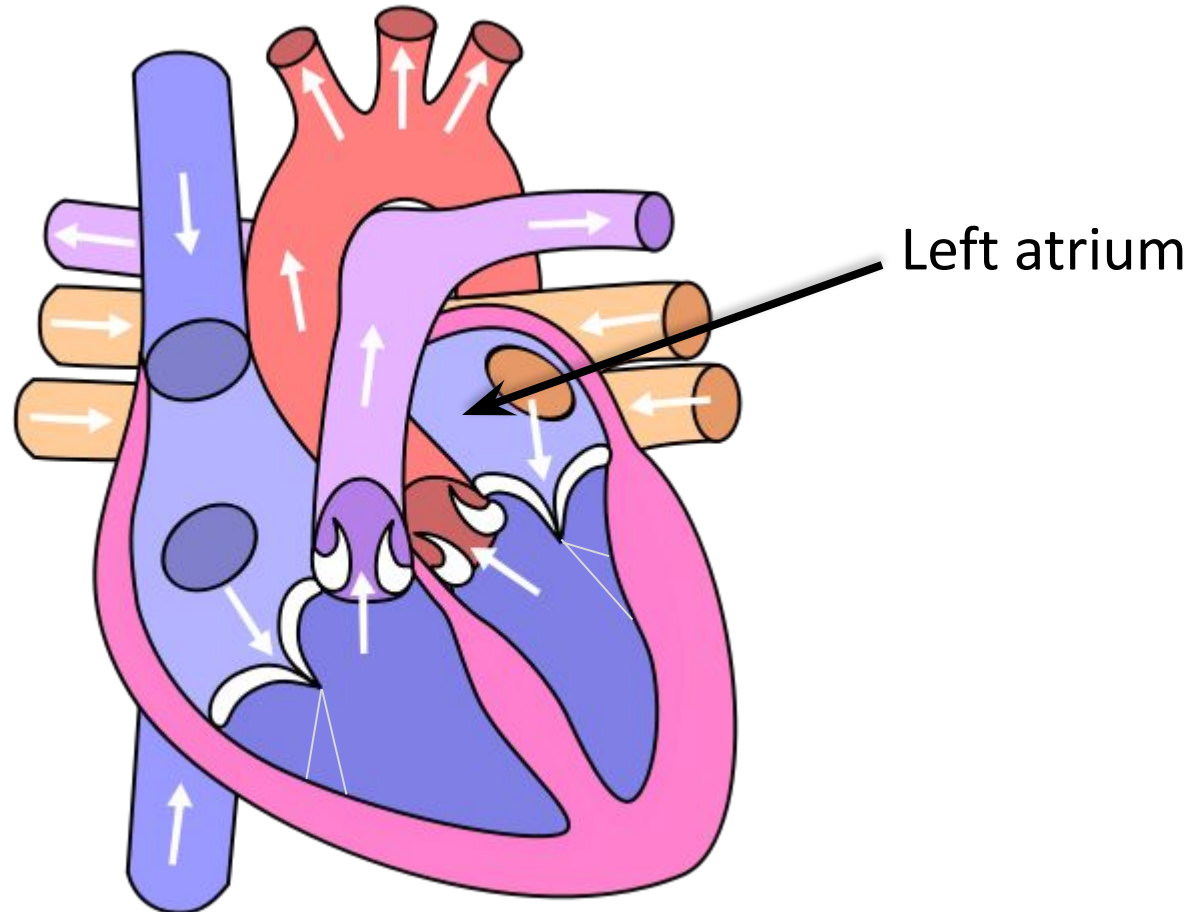
The septum separates the left and right sides of the heart



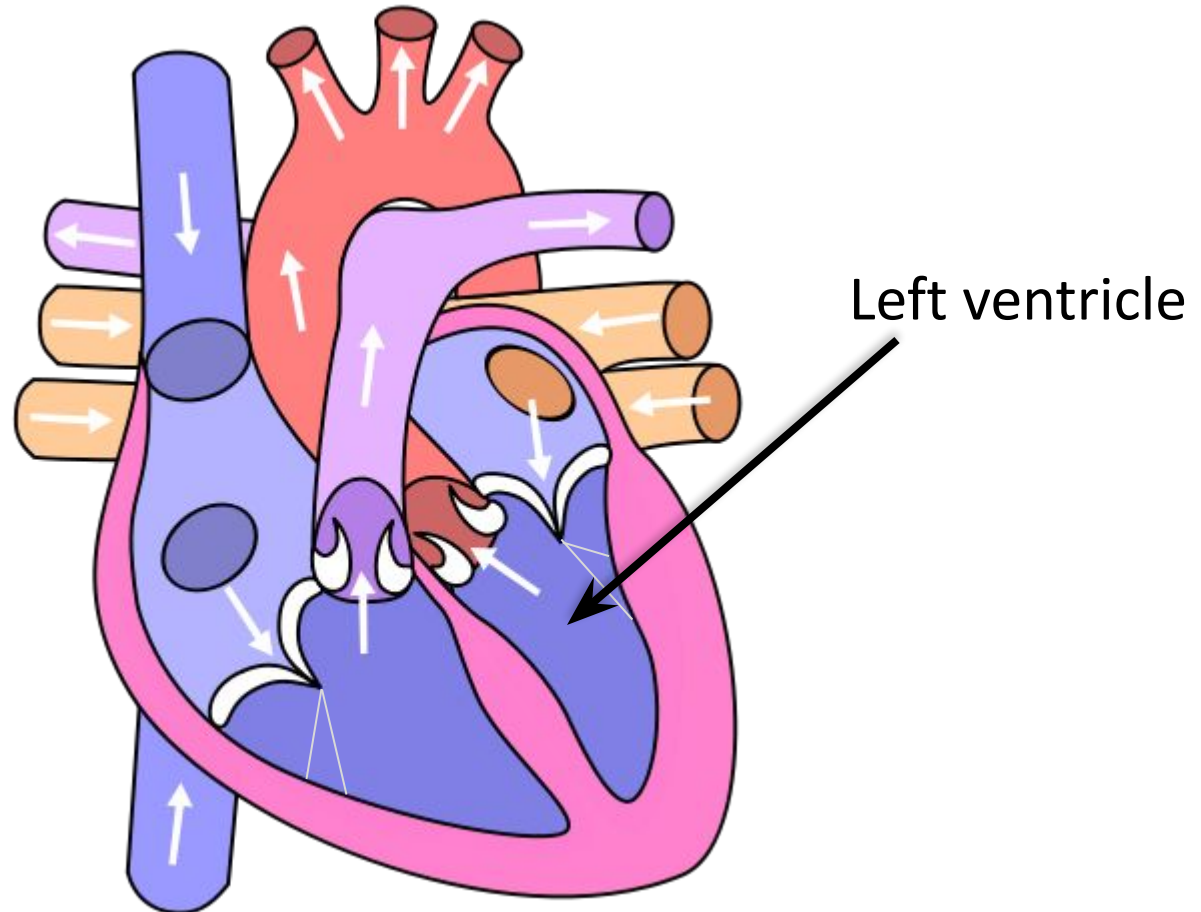
The pulmonary veins carry oxygenated blood from the lungs to the left atrium



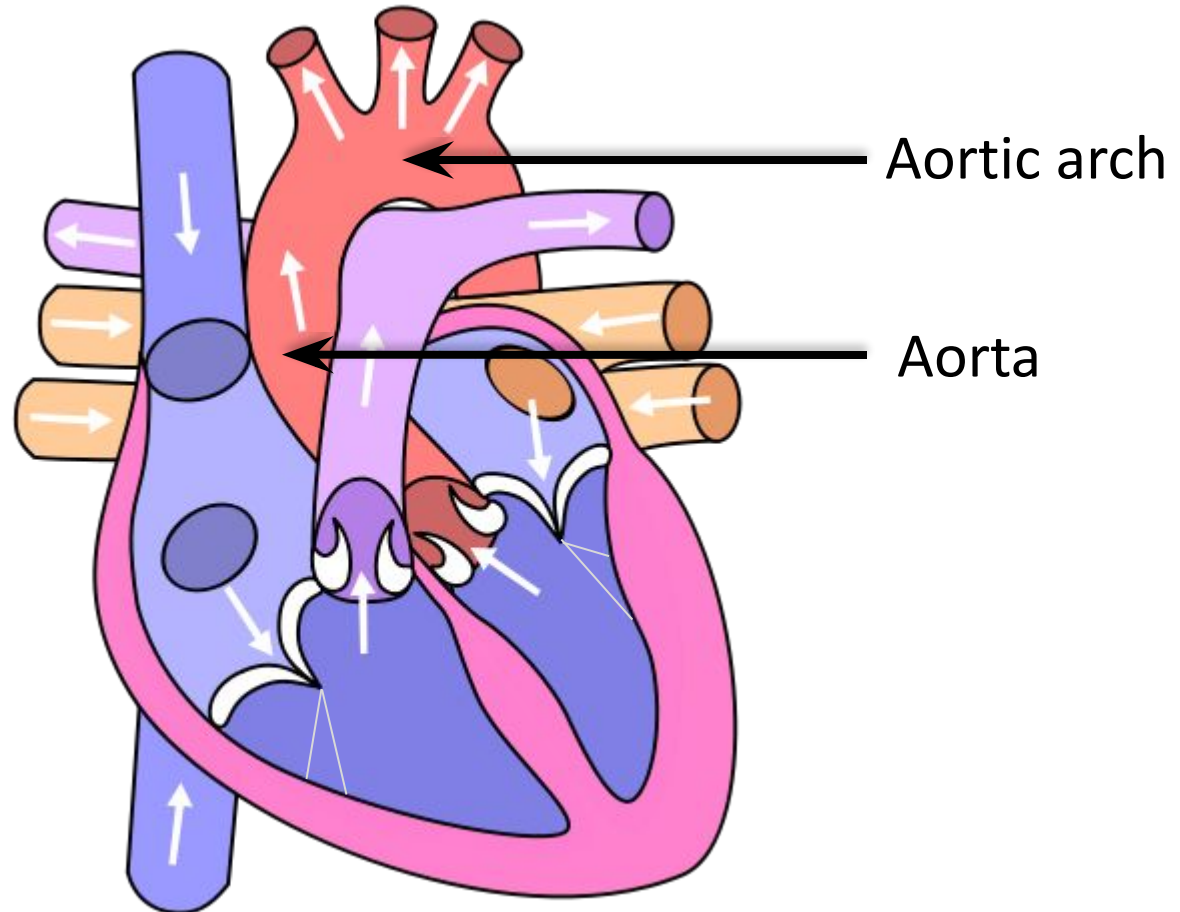
The left atrium collects the oxygenated blood and pumps it to the left ventricle



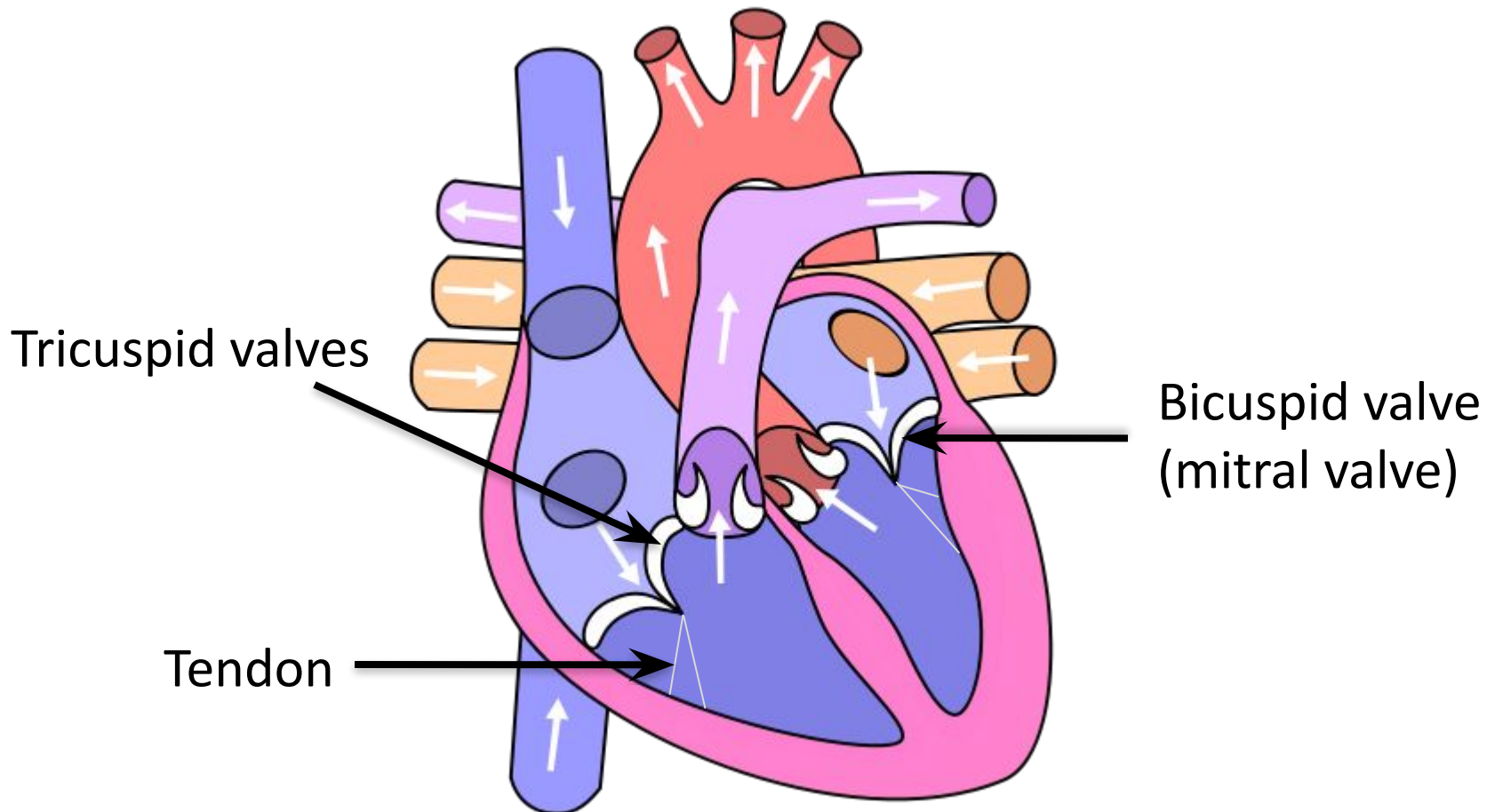
The left ventricle pumps oxygenated blood to the body via the aorta



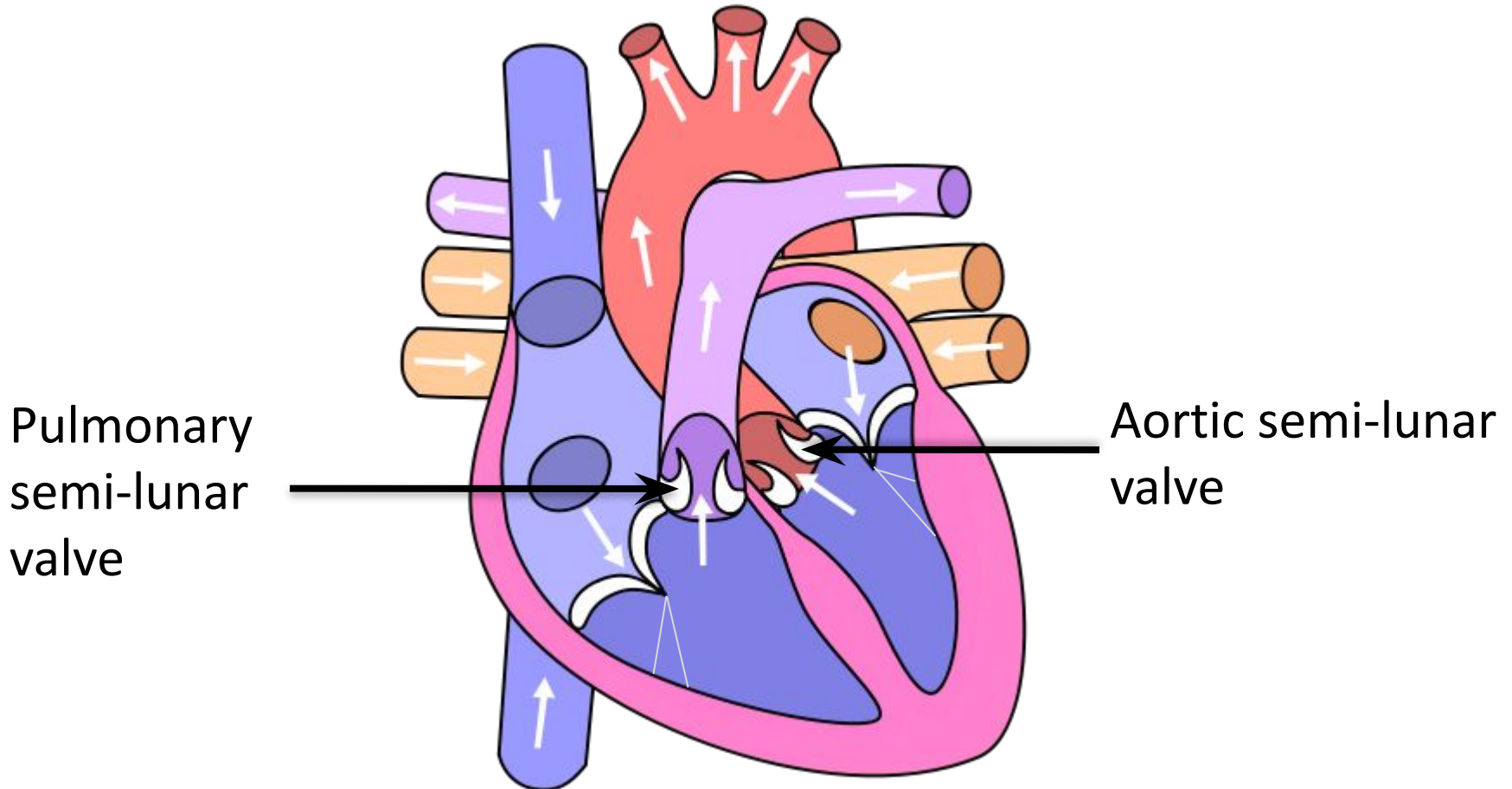
The aorta carries the oxygenated from the left ventricle to the rest of the body



Atrio-ventricular valves prevent backflow of blood into the atria when ventricles contract

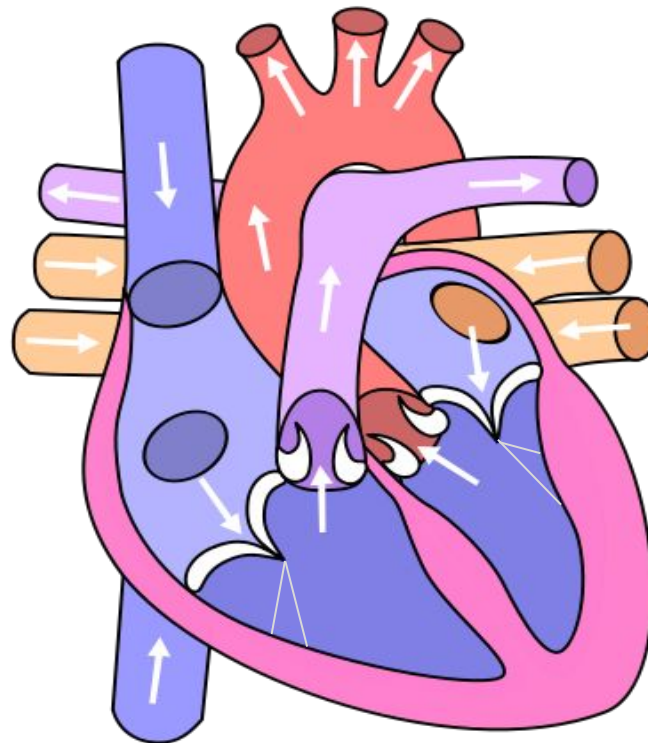


The semi-lunar valves prevent backflow of blood from the arteries into the ventricles

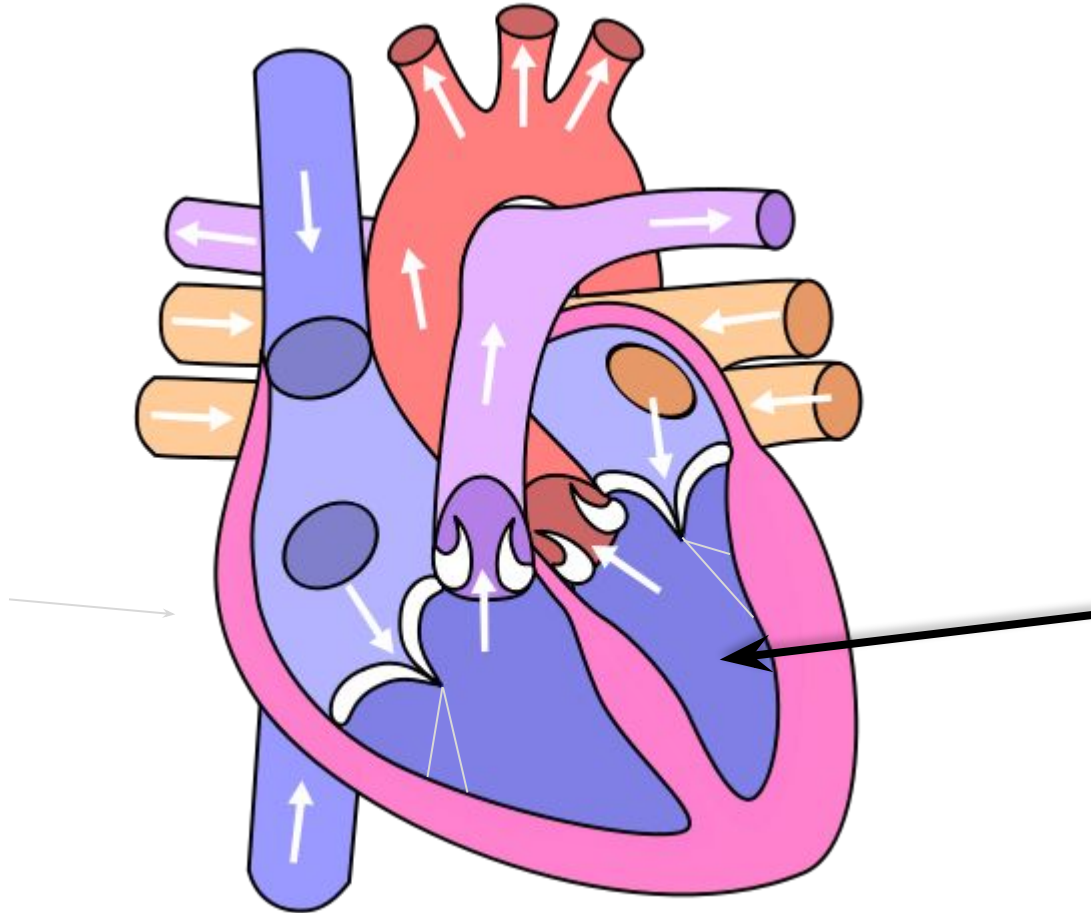


Summary Quiz

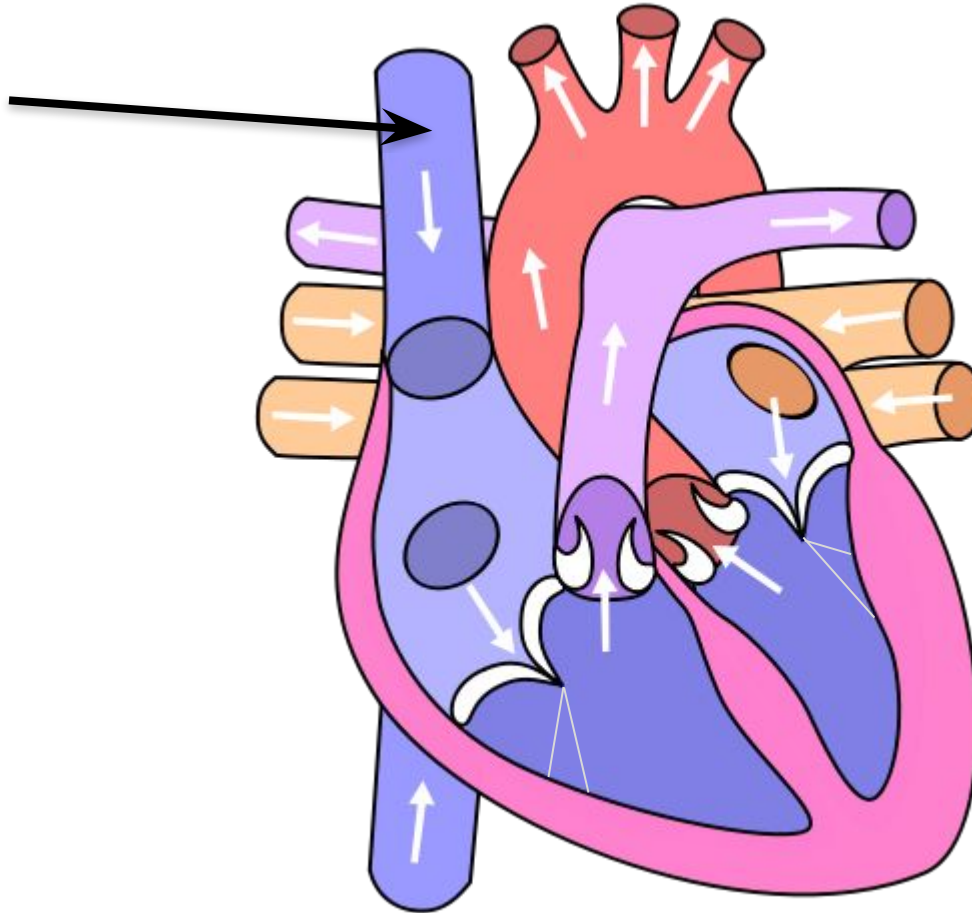
Identify the part of the heart indicated by an arrow .
There are 10 questions in total.



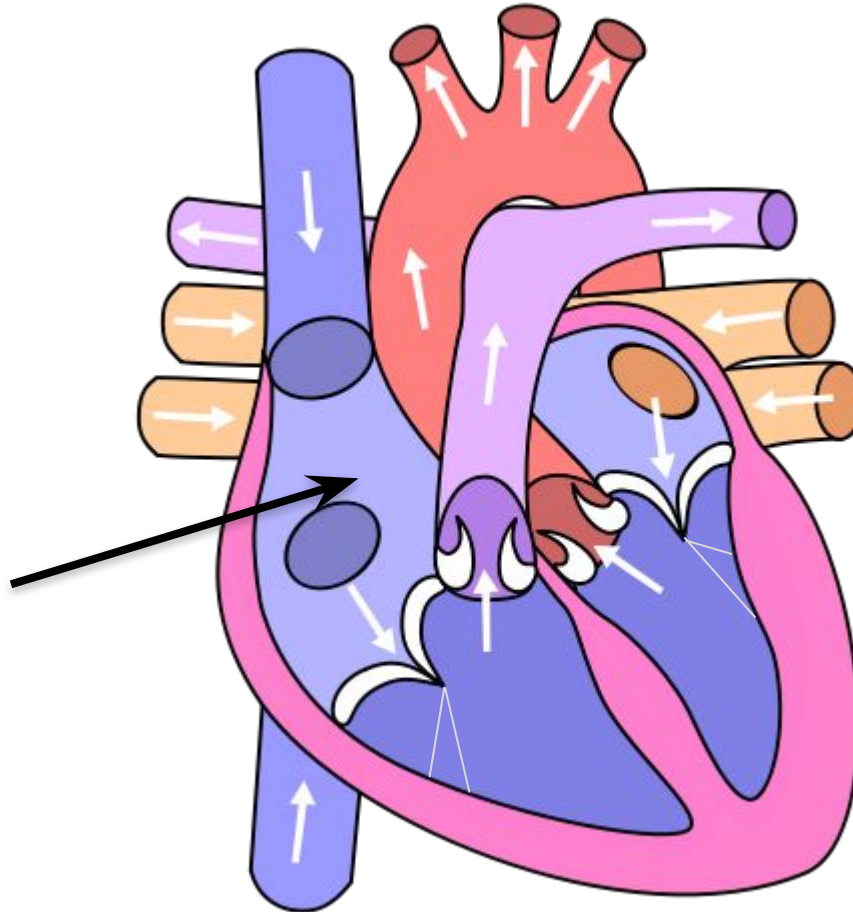
Question 1



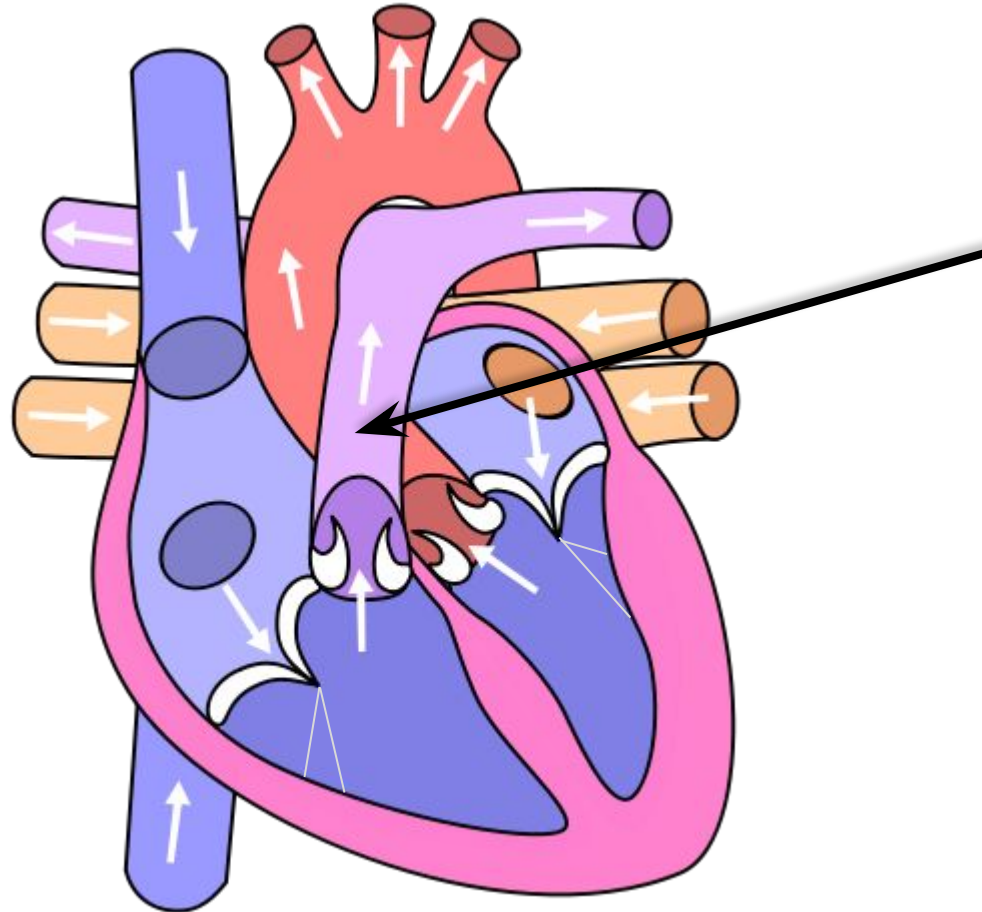
Question 2



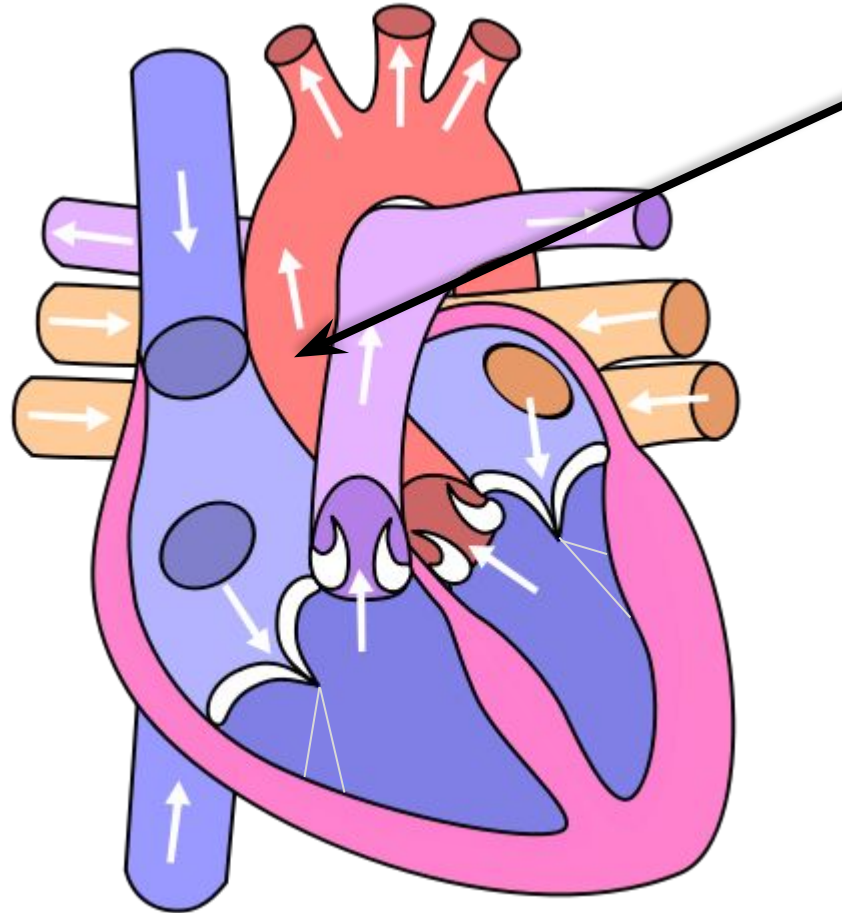
Question 3



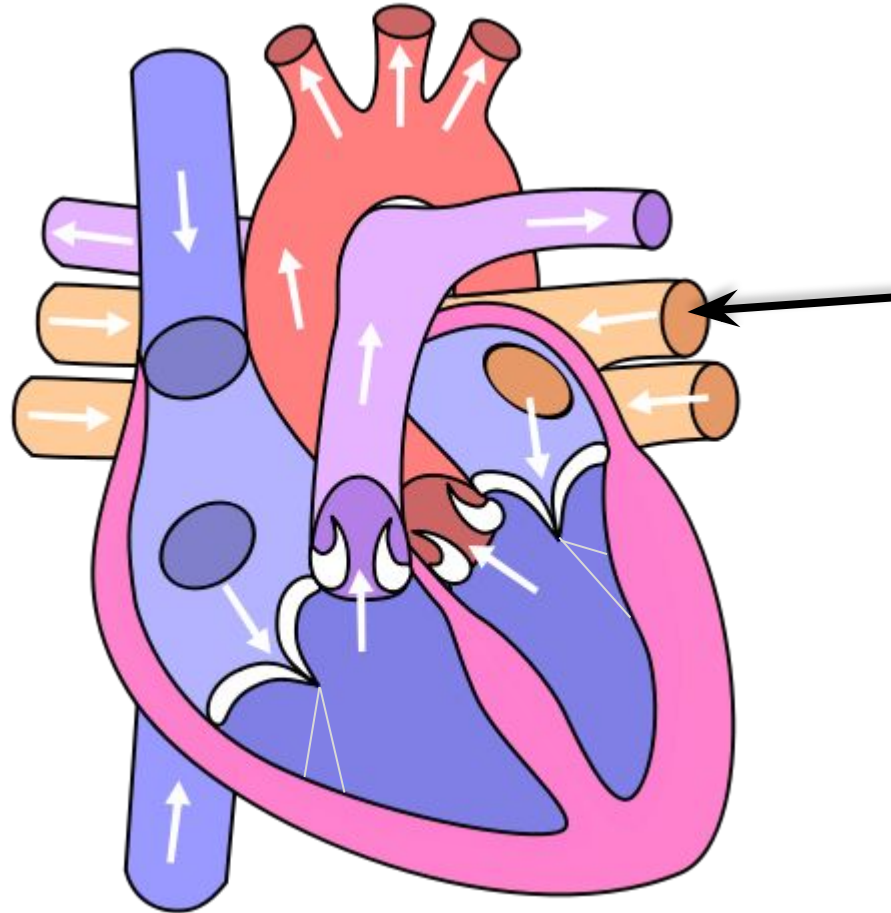
Question 4



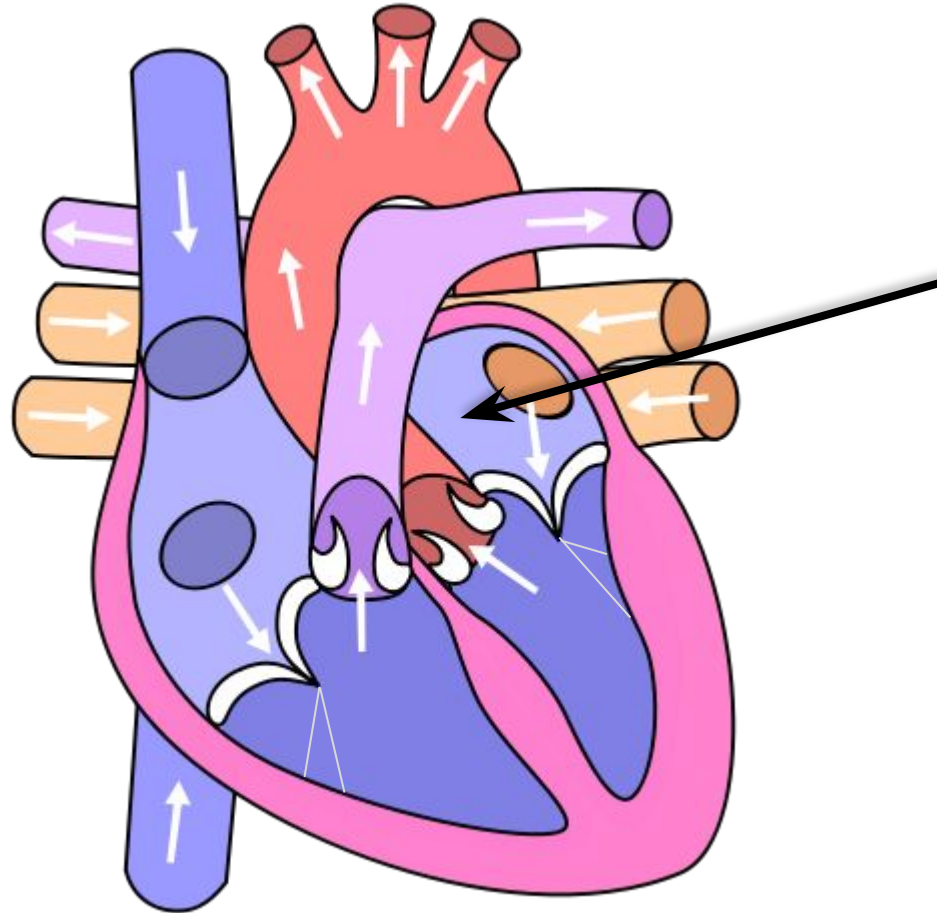
Question 5



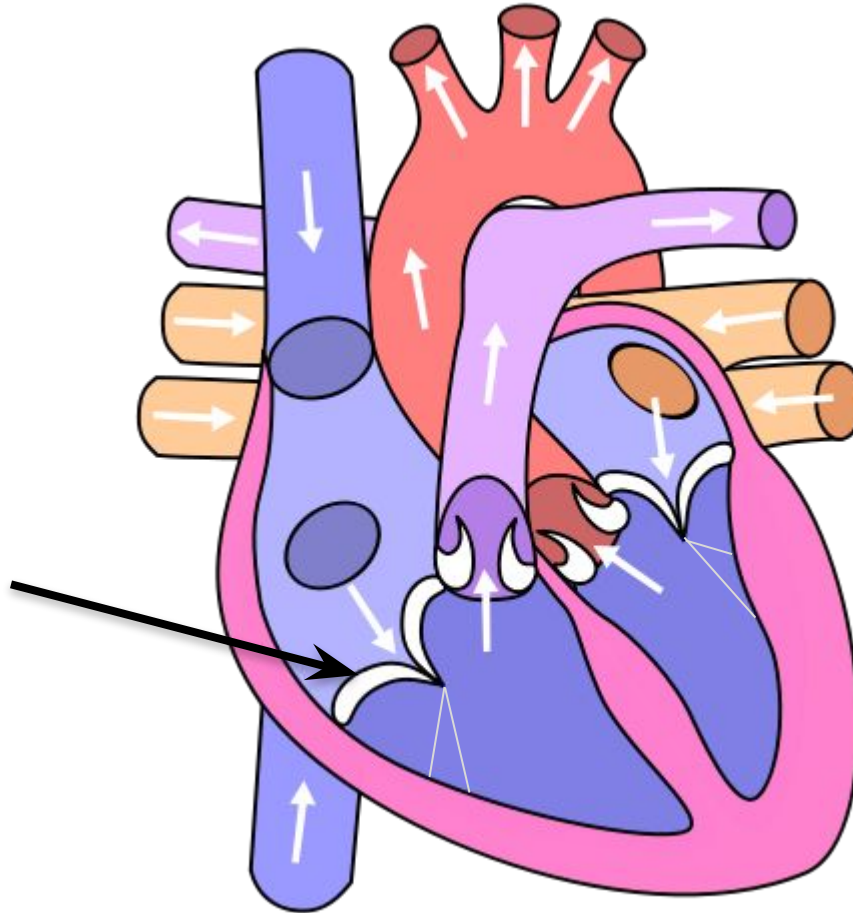
Question 6



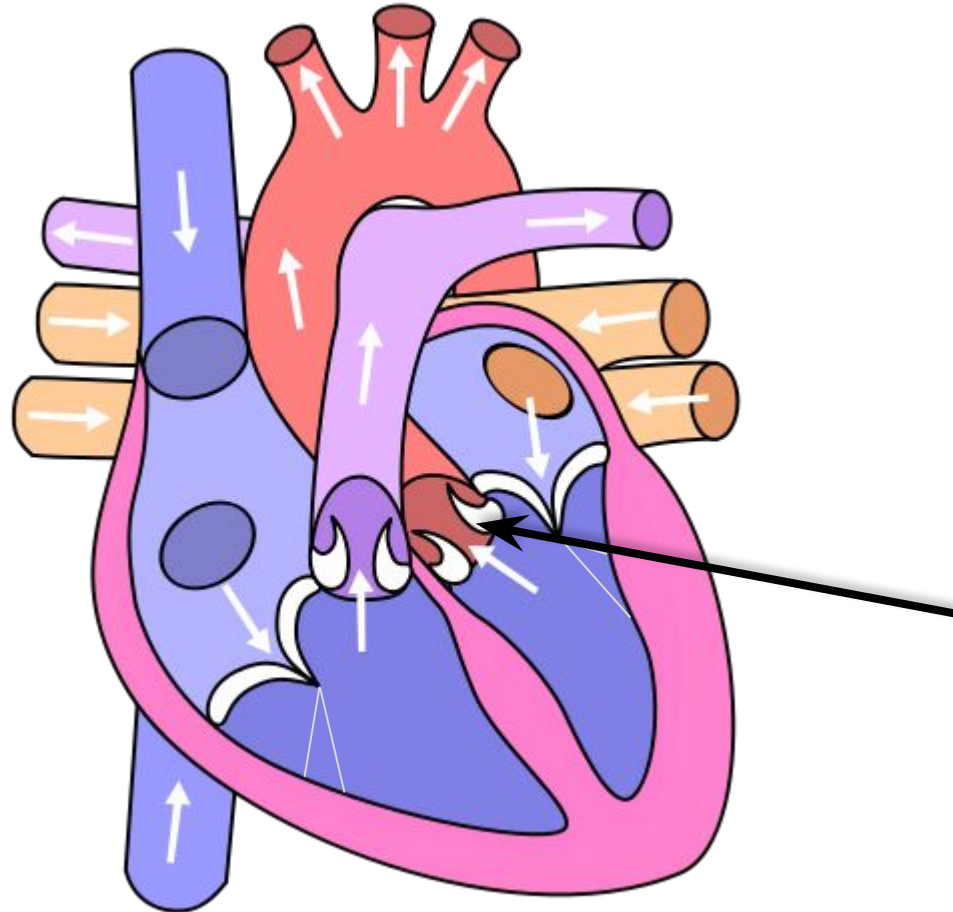
Question 7



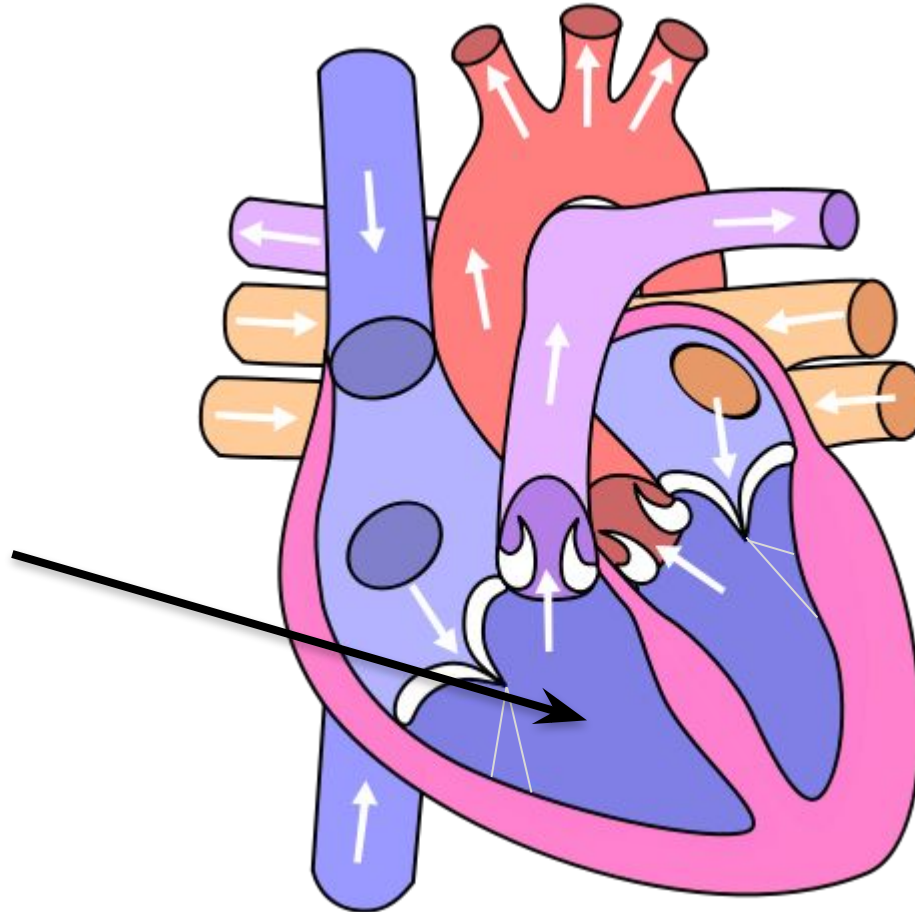
Question 8



Question 9

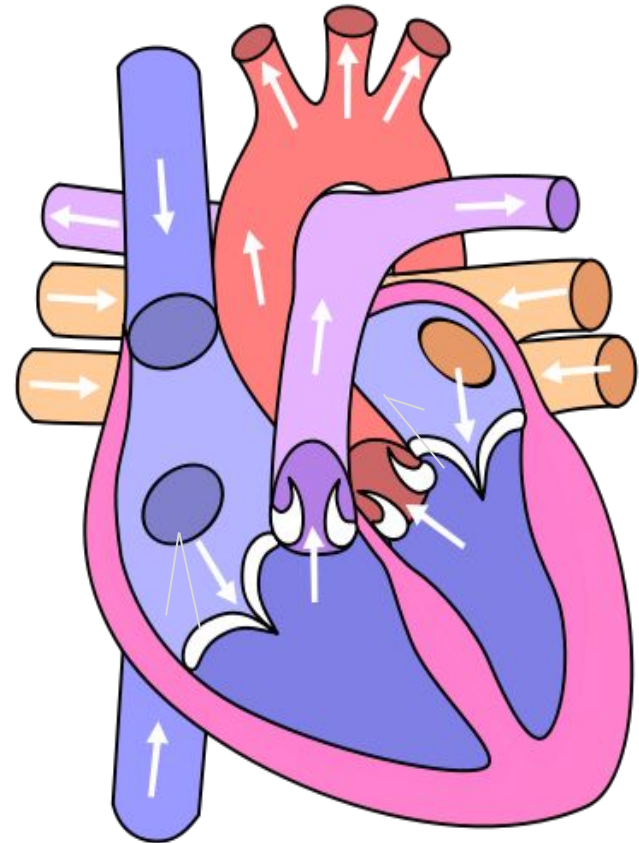


Question 10



Answers

- 1 left ventricle
- 2 vena cava
- 3 right atrium
- 4 pulmonary artery
- 5 aorta
- 6 pulmonary vein
- 7 left atrium
- 8 atrio-ventricular (tricuspid) valve
- 9 semi-lunar (aortic) valve
- 10 right ventricle



A 3D anatomical illustration of a human torso, rendered in a glowing blue color. The heart is highlighted in a bright red color, positioned centrally in the chest area. The word "Finish" is written in white text across the lower chest. At the bottom, the name "Faiq Bin Zahid" is written in red text.

Finish

Faiq Bin Zahid