

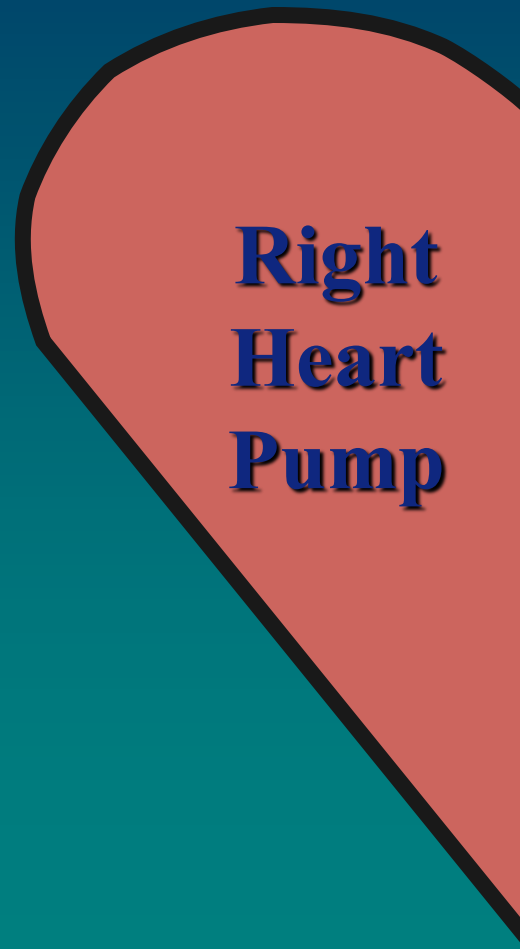
Pre-Dissection Drawing Activity

Pathway of Blood Through Heart

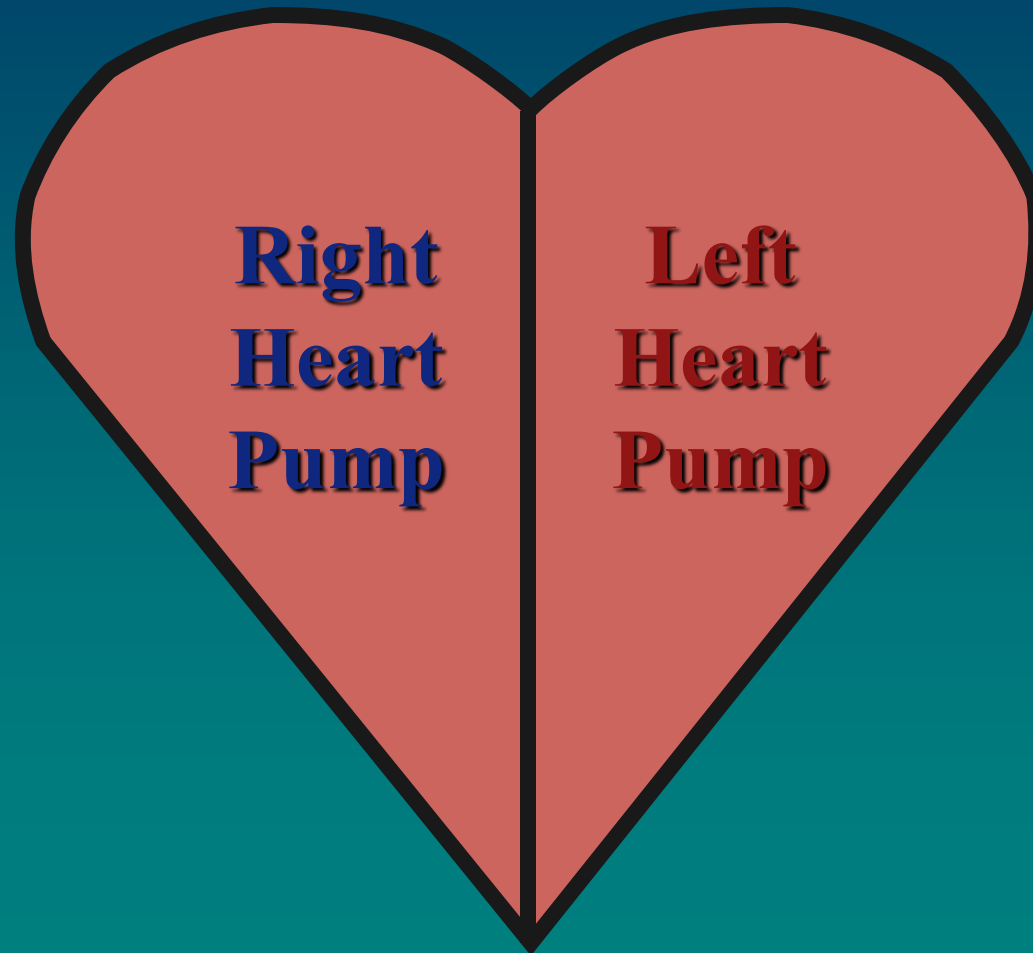
Supplies:

- 3 sheets paper
- pencil
- 3 fine tip colored markers (blue, red, green)
- Optional: highlighter (pink or orange)

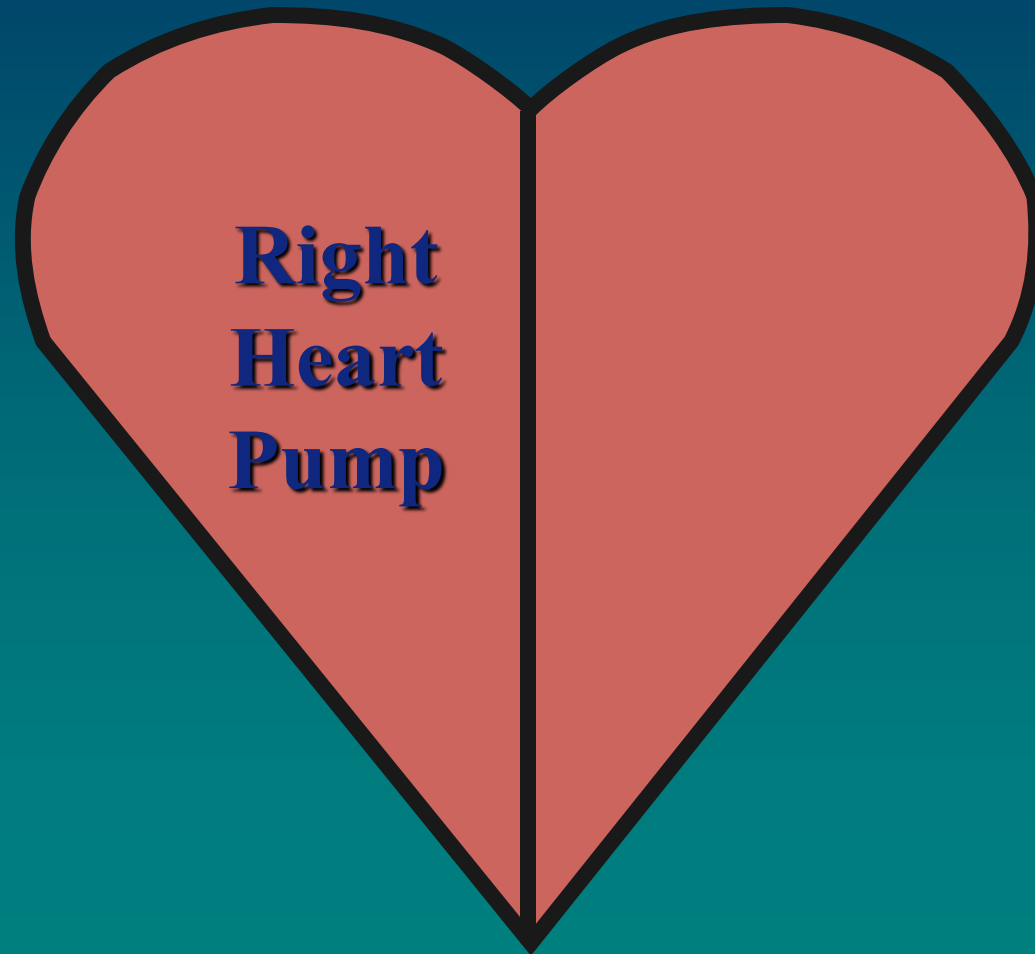
The heart is a double pump.



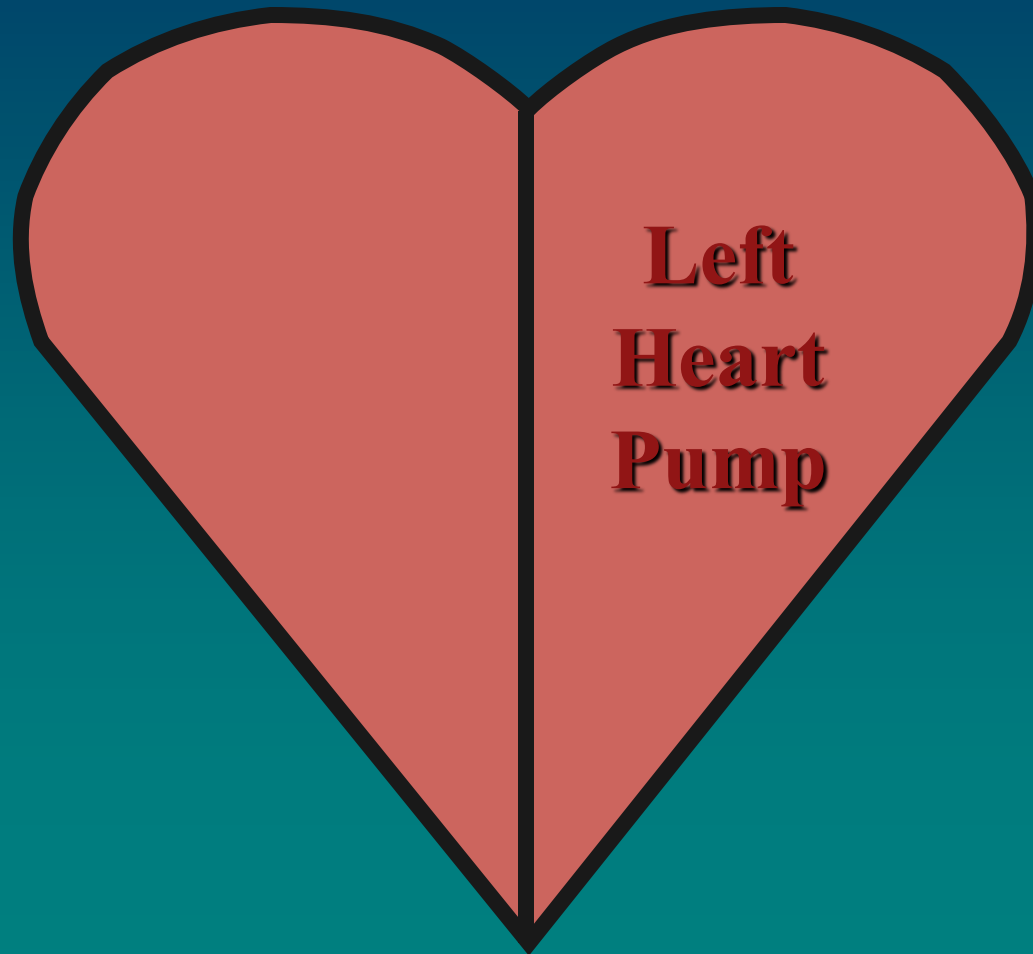
The heart is a double pump.



**The right heart pumps venous
(deoxygenated) blood.**



**The left heart pumps arterial
(oxygenated) blood.**



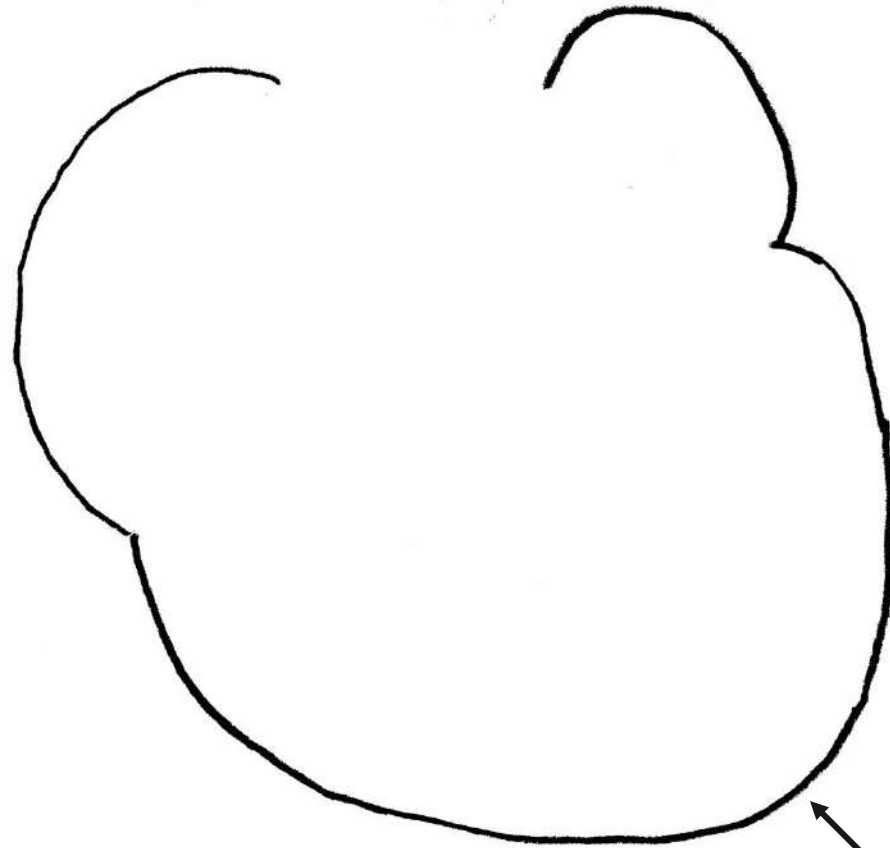
Drawing the right heart.



Step 1: Draw outline of heart.

Rt. side

Lf. side

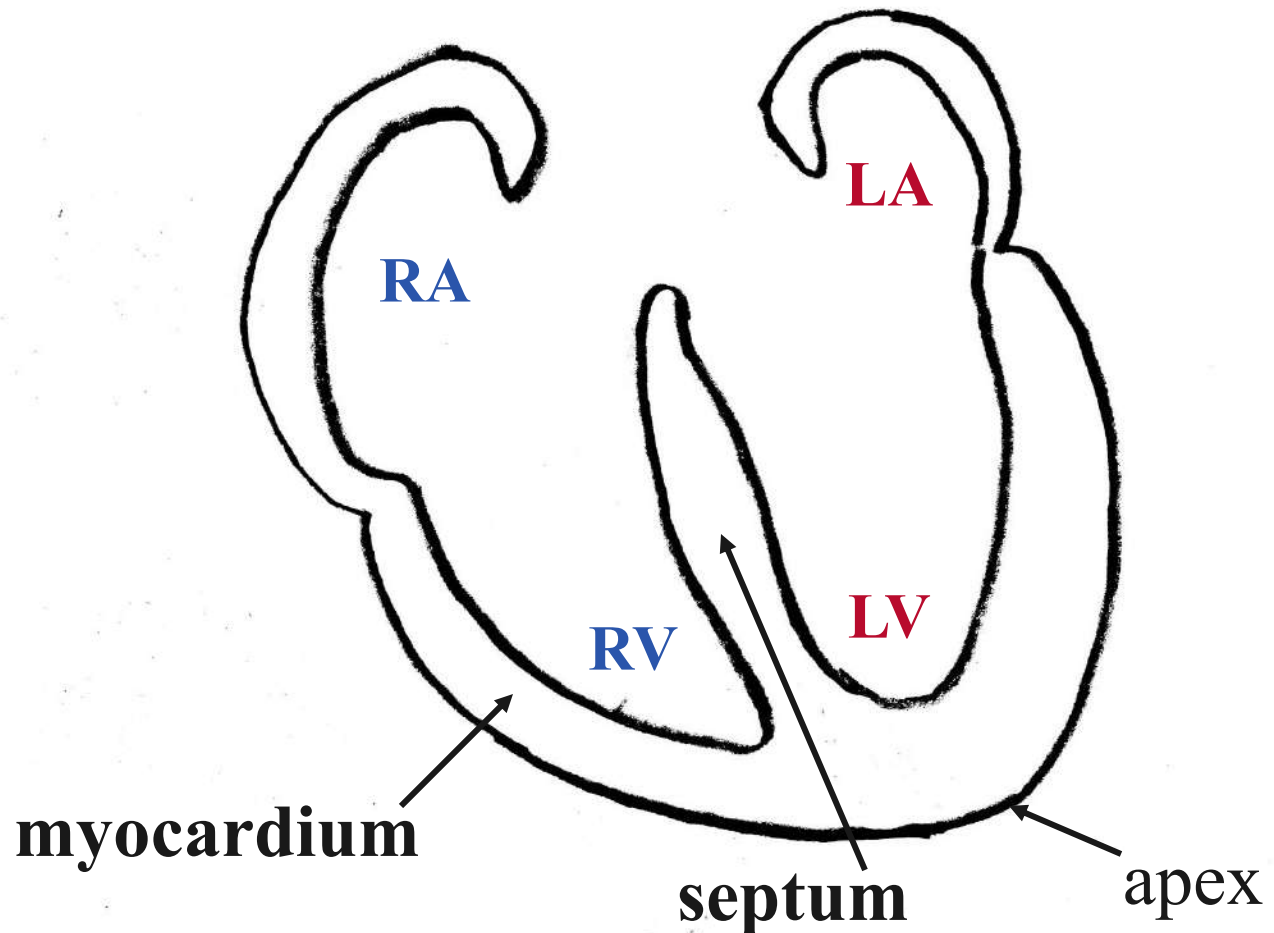


apex

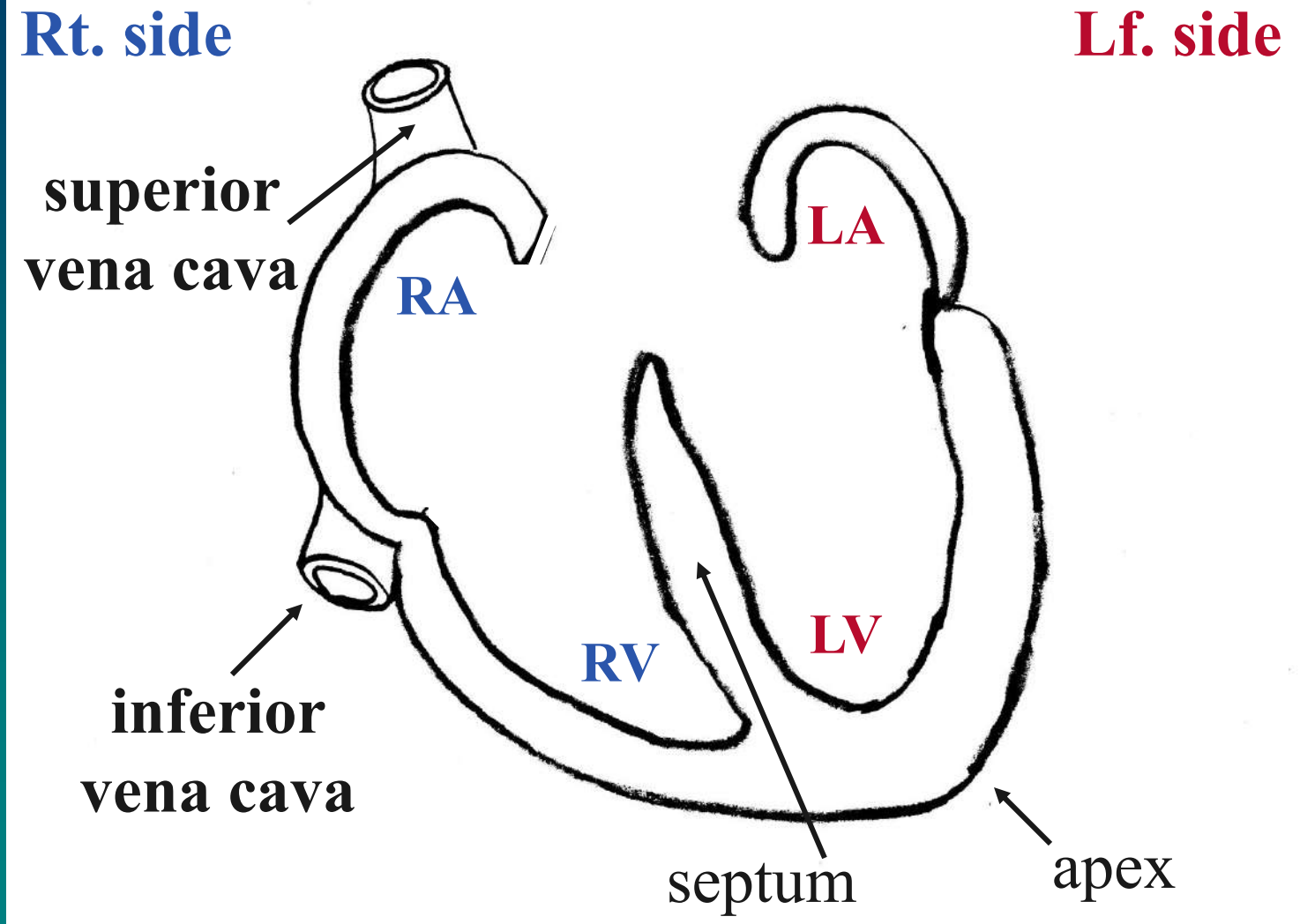
Step 2: Draw myocardium & septum. Identify chambers.

Rt. side

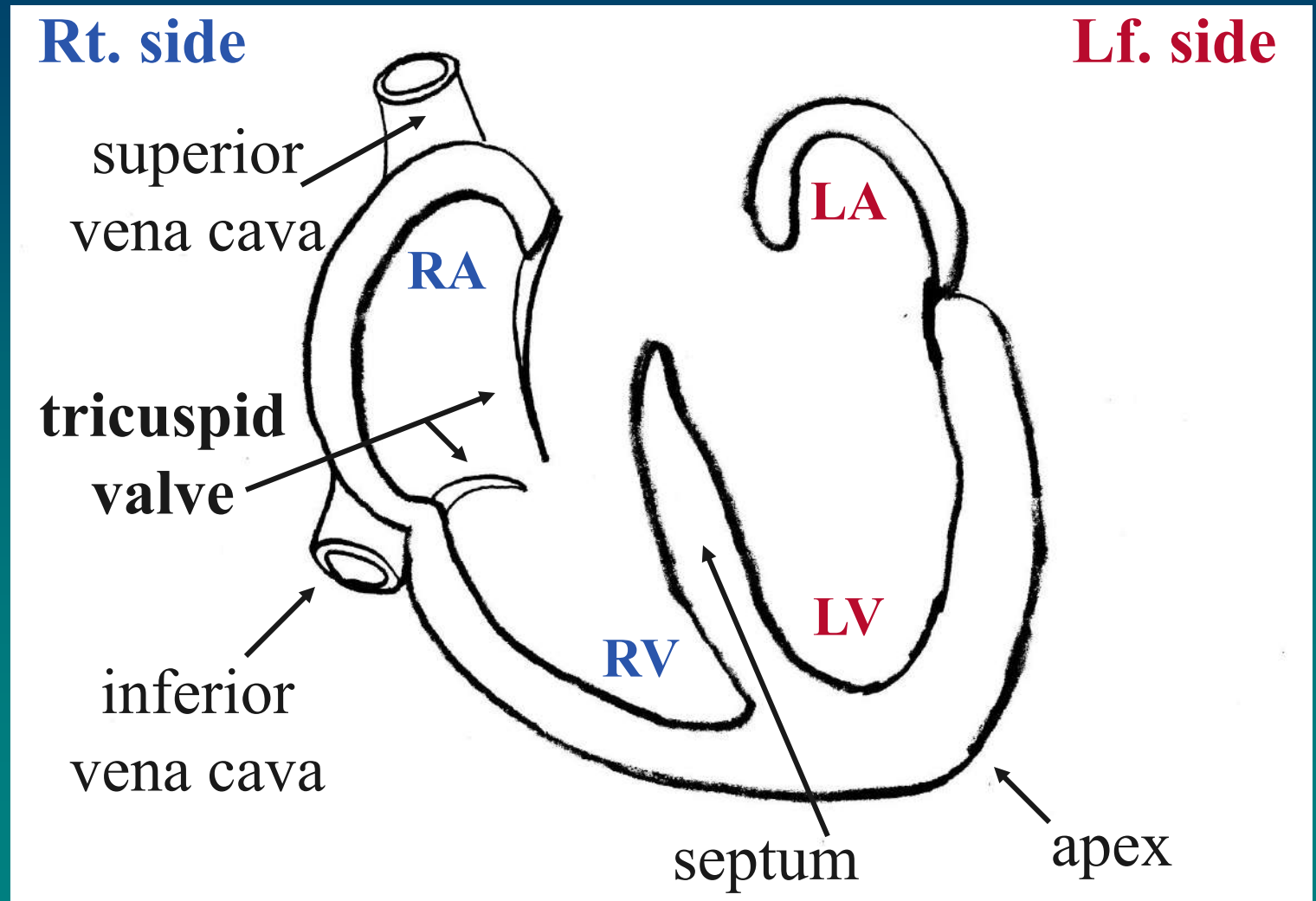
Lf. side



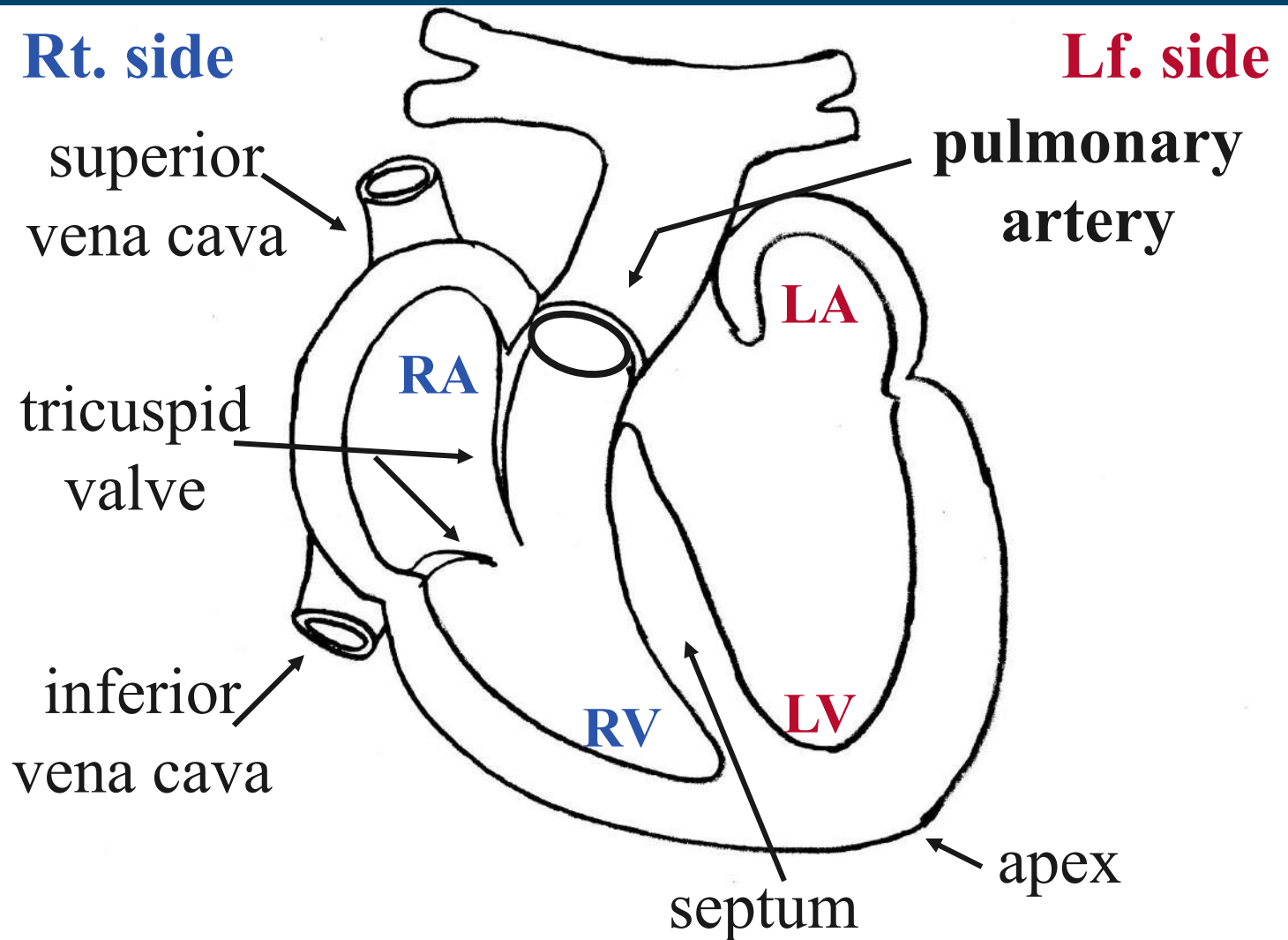
Step 3: Draw both superior & inferior vena cavae



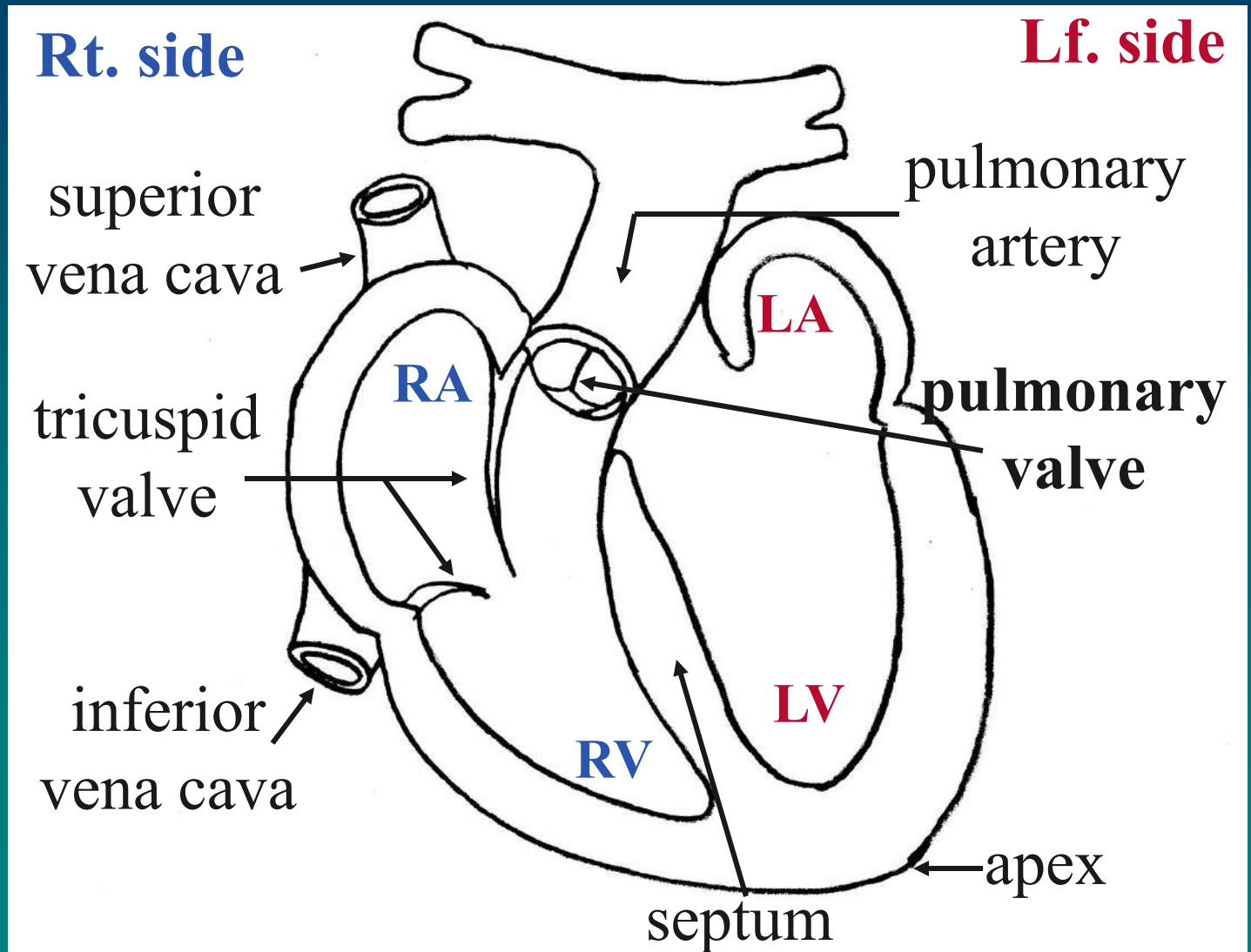
Step 4: Draw tricuspid valve.



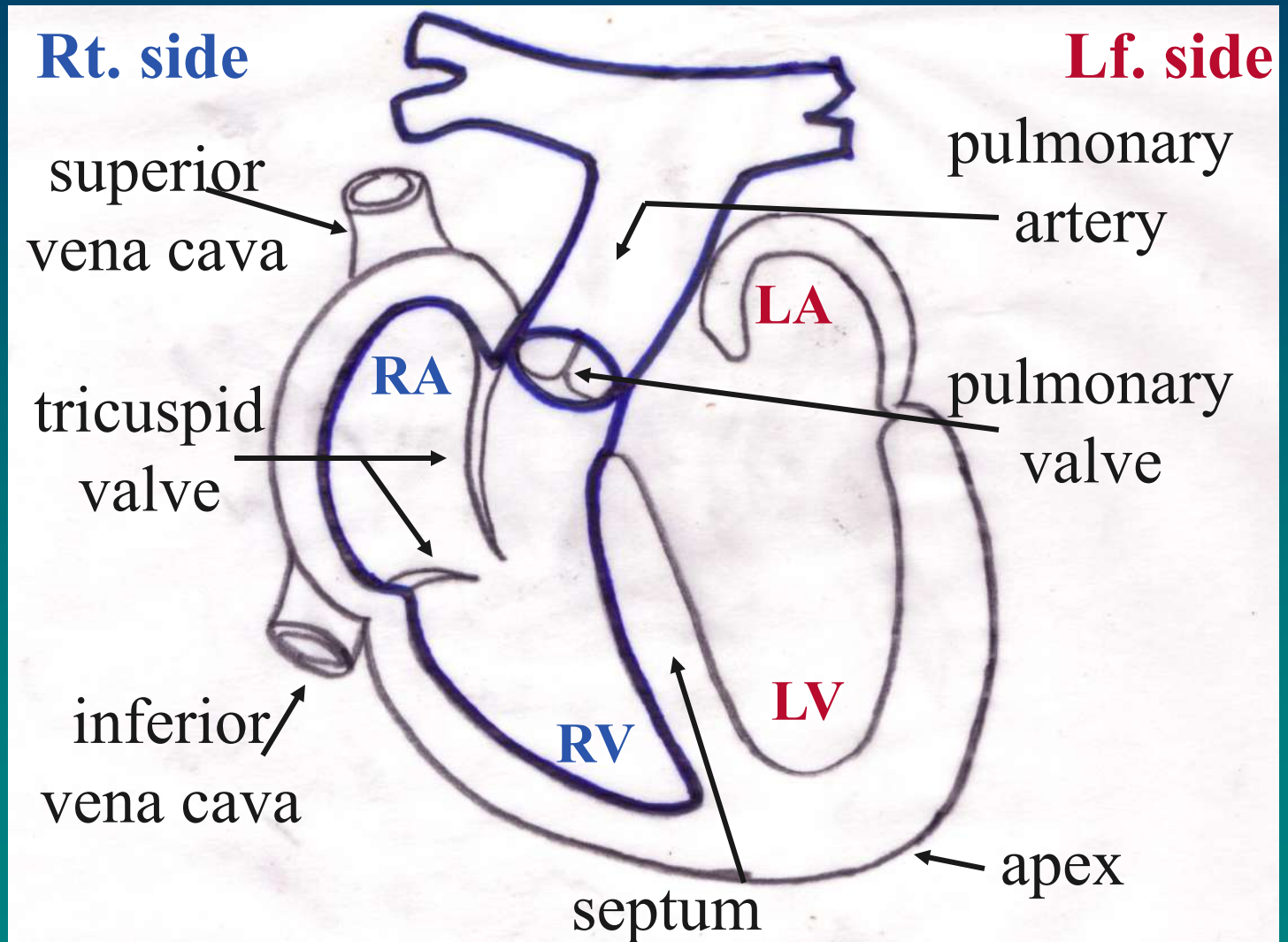
Step 5: Draw pulmonary artery.



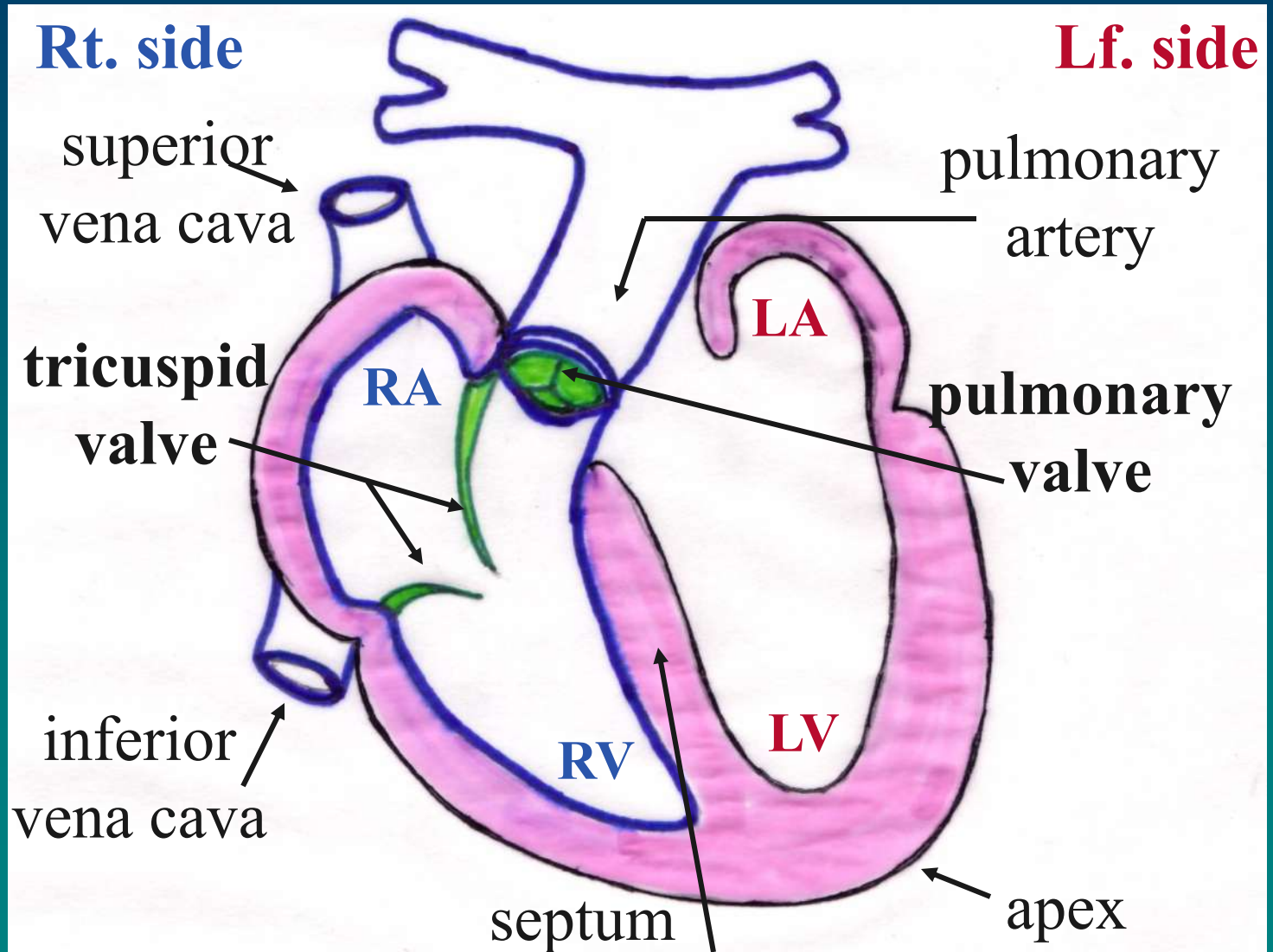
Step 6: Draw pulmonary valve.



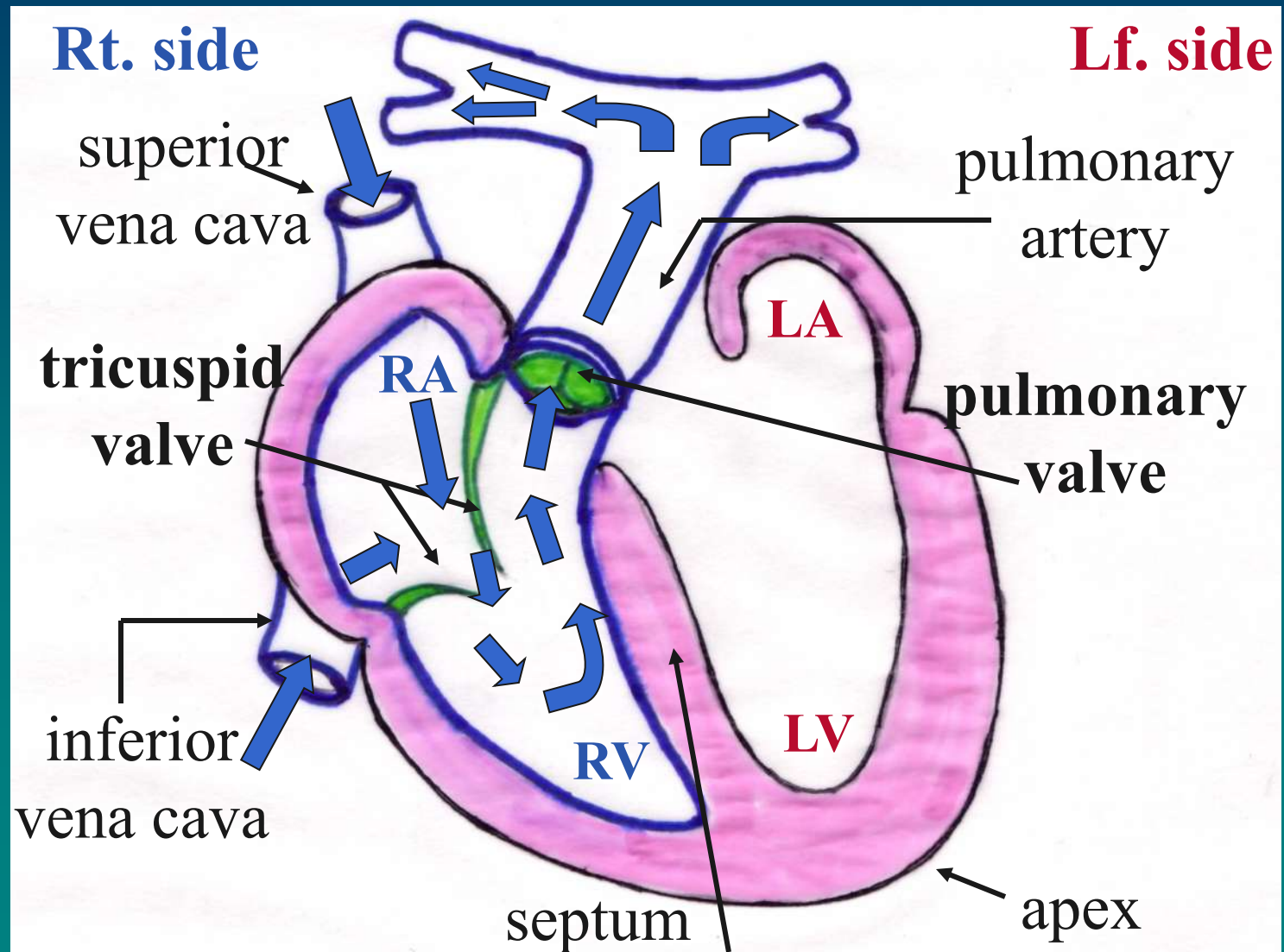
Step 7: Outline great vessels & chambers with blue marker.



Step 8: Outline valves in green. Color septum & myocardium in pink.



Step 9: Indicate pathway of blood through right heart with arrows.



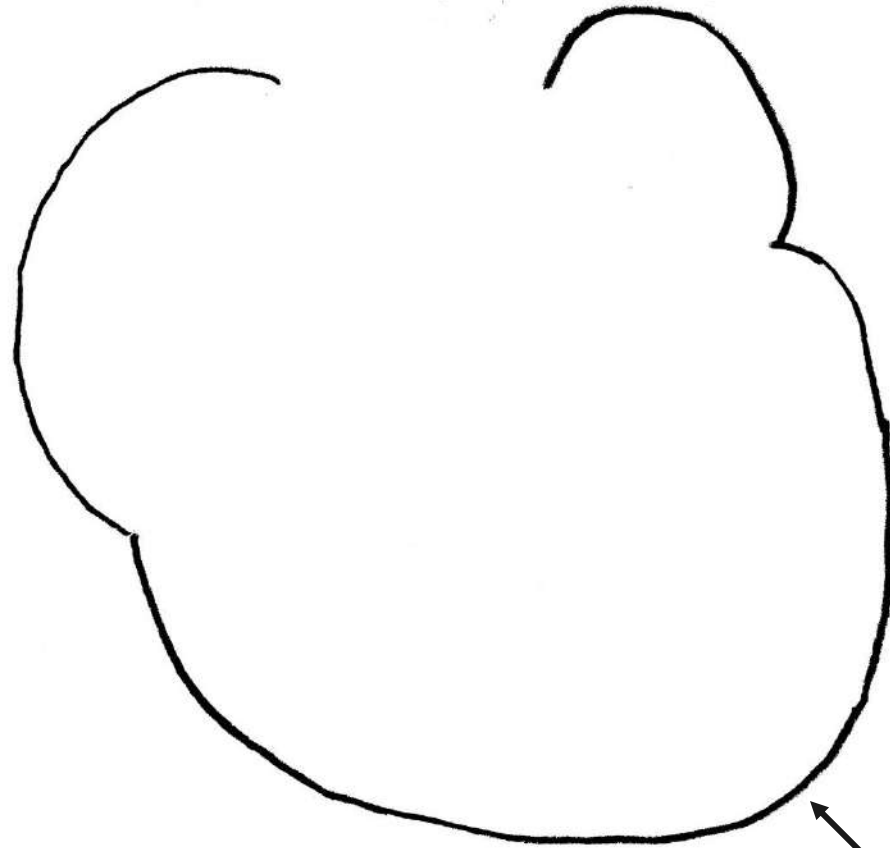
Drawing the left heart.



Step 1: Draw outline of heart.

Rt. side

Lf. side

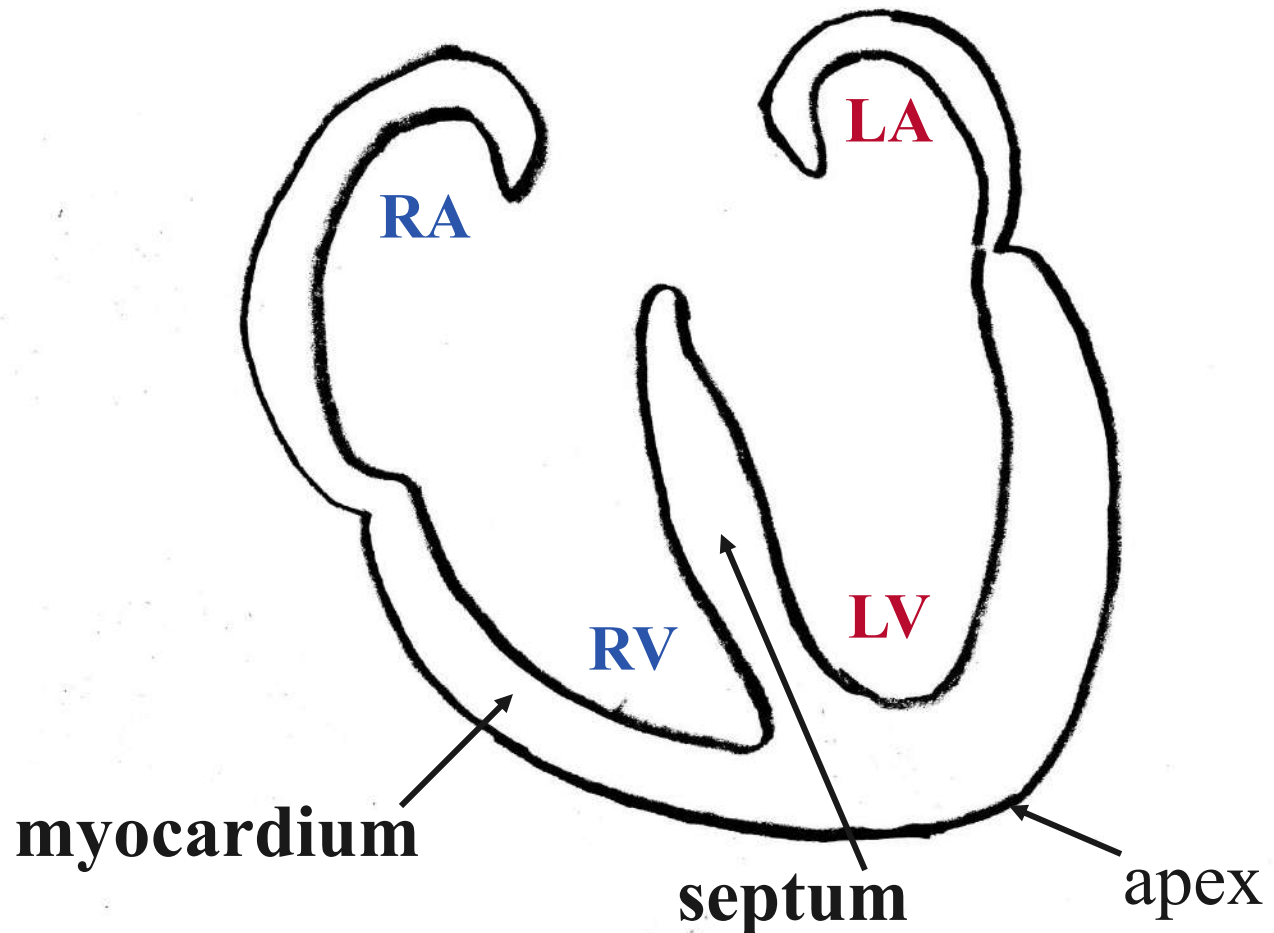


apex

Step 2: Draw the myocardium and septum

Rt. side

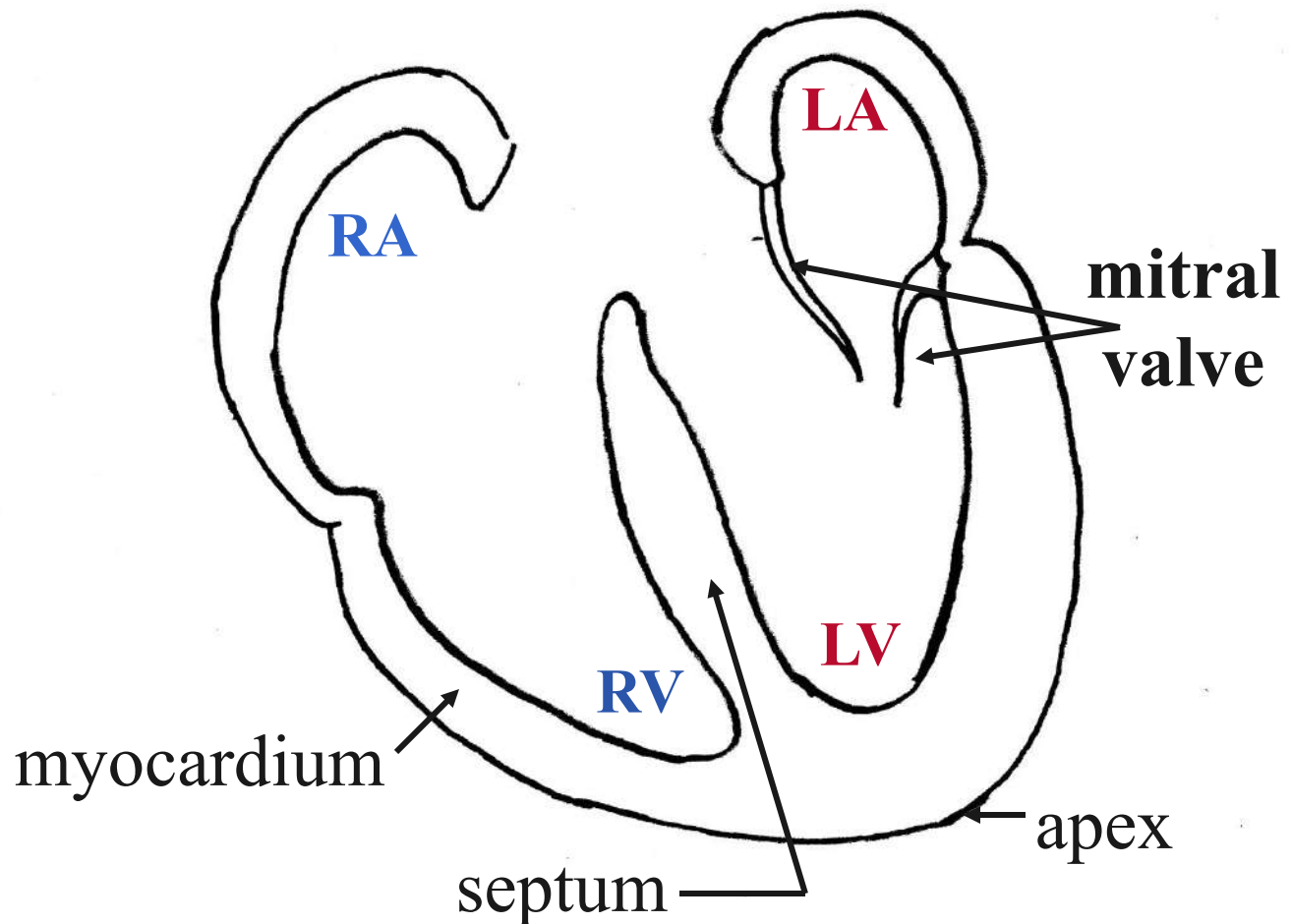
Lf. side



Step 3: Draw mitral valve.

Rt. side

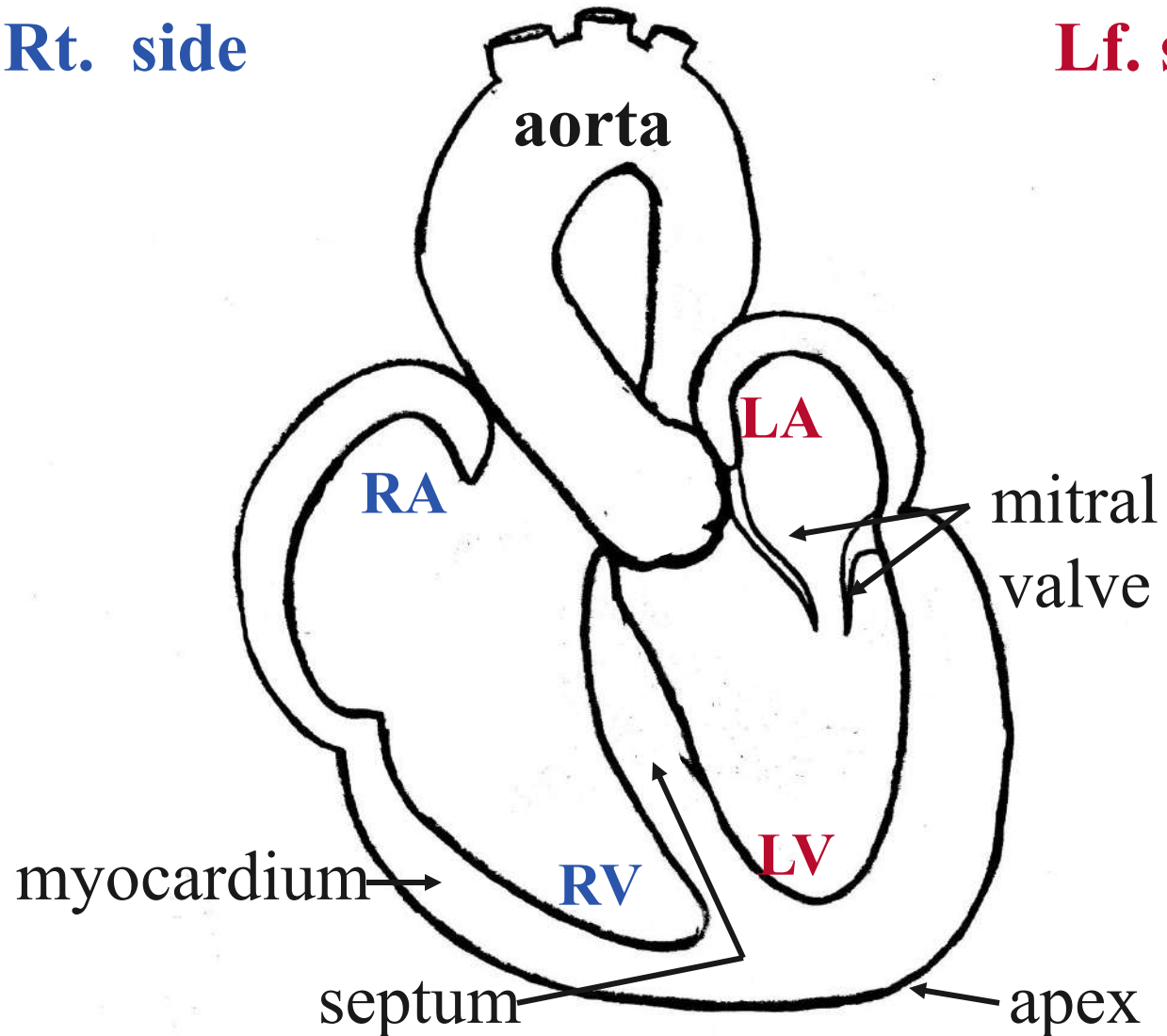
Lf. side



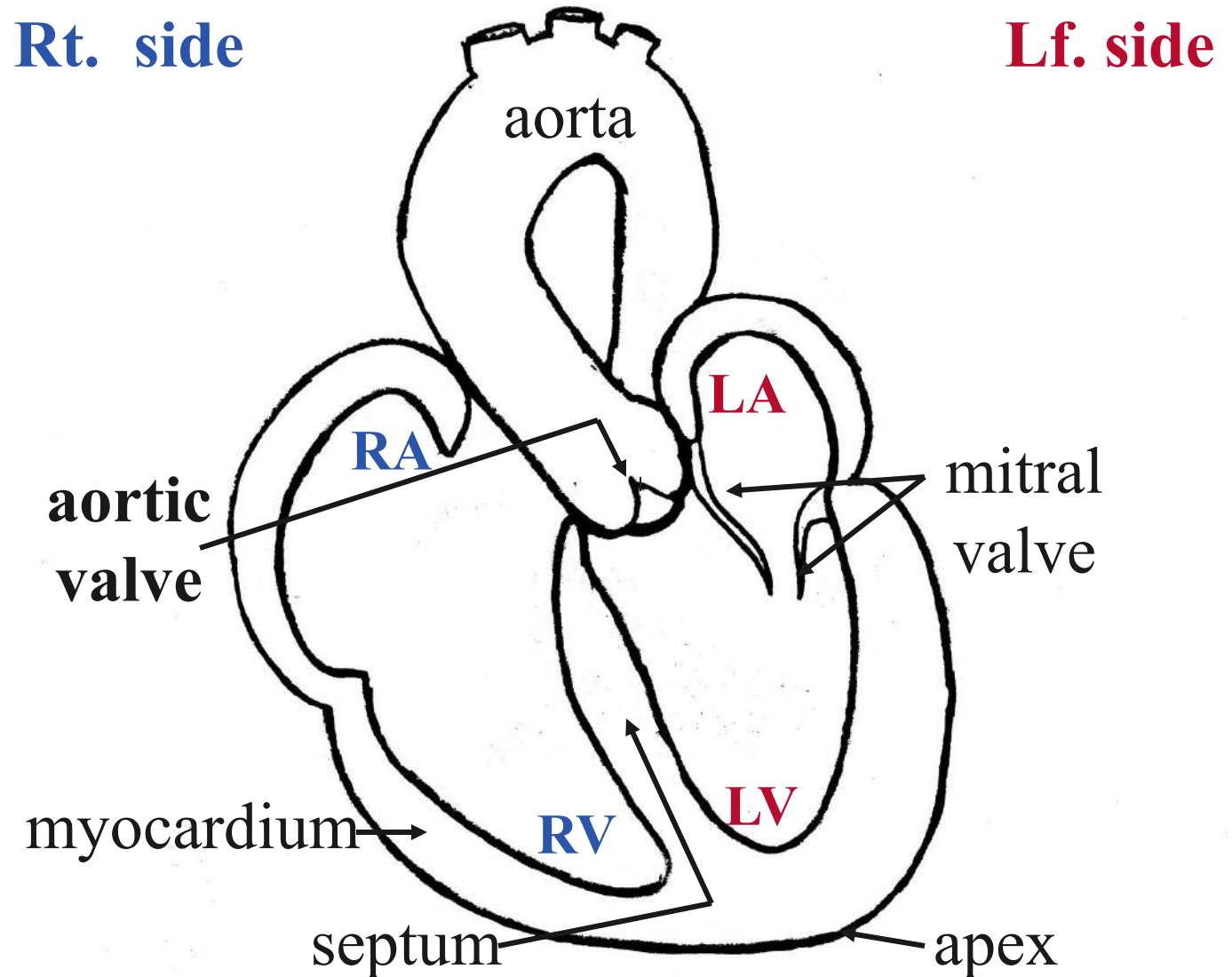
Step 4: Draw aorta.

Rt. side

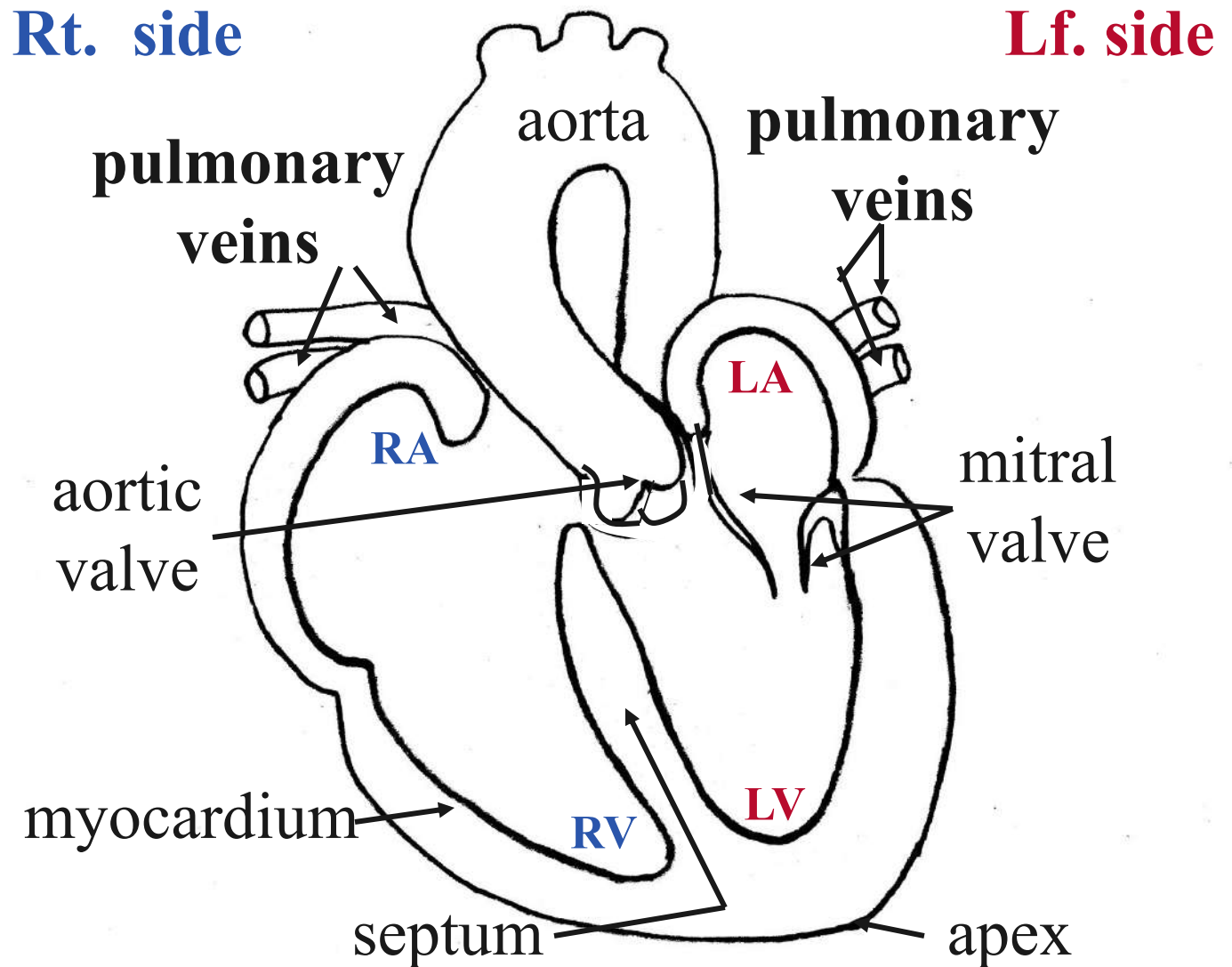
Lf. side



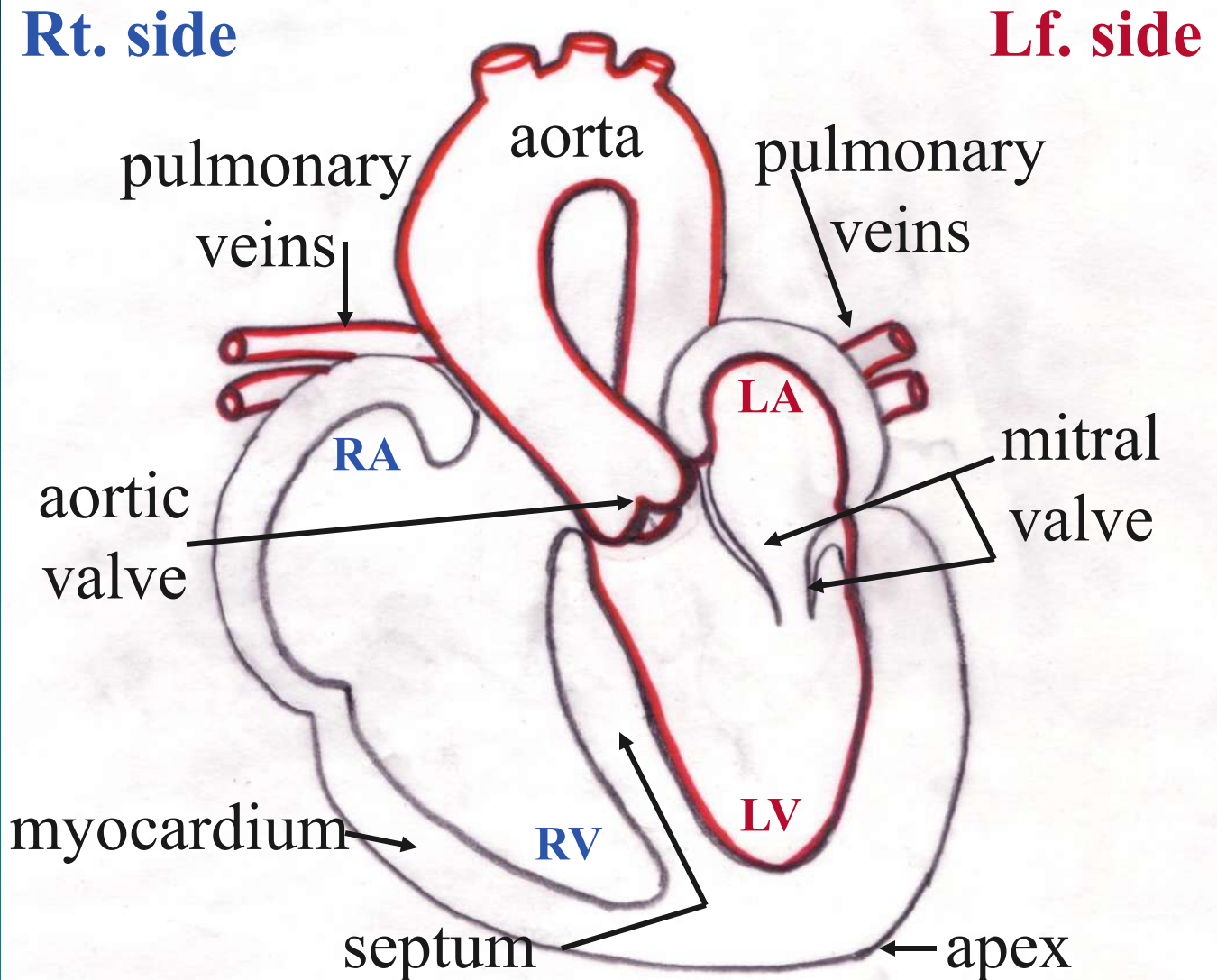
Step 5: Draw aortic valve.



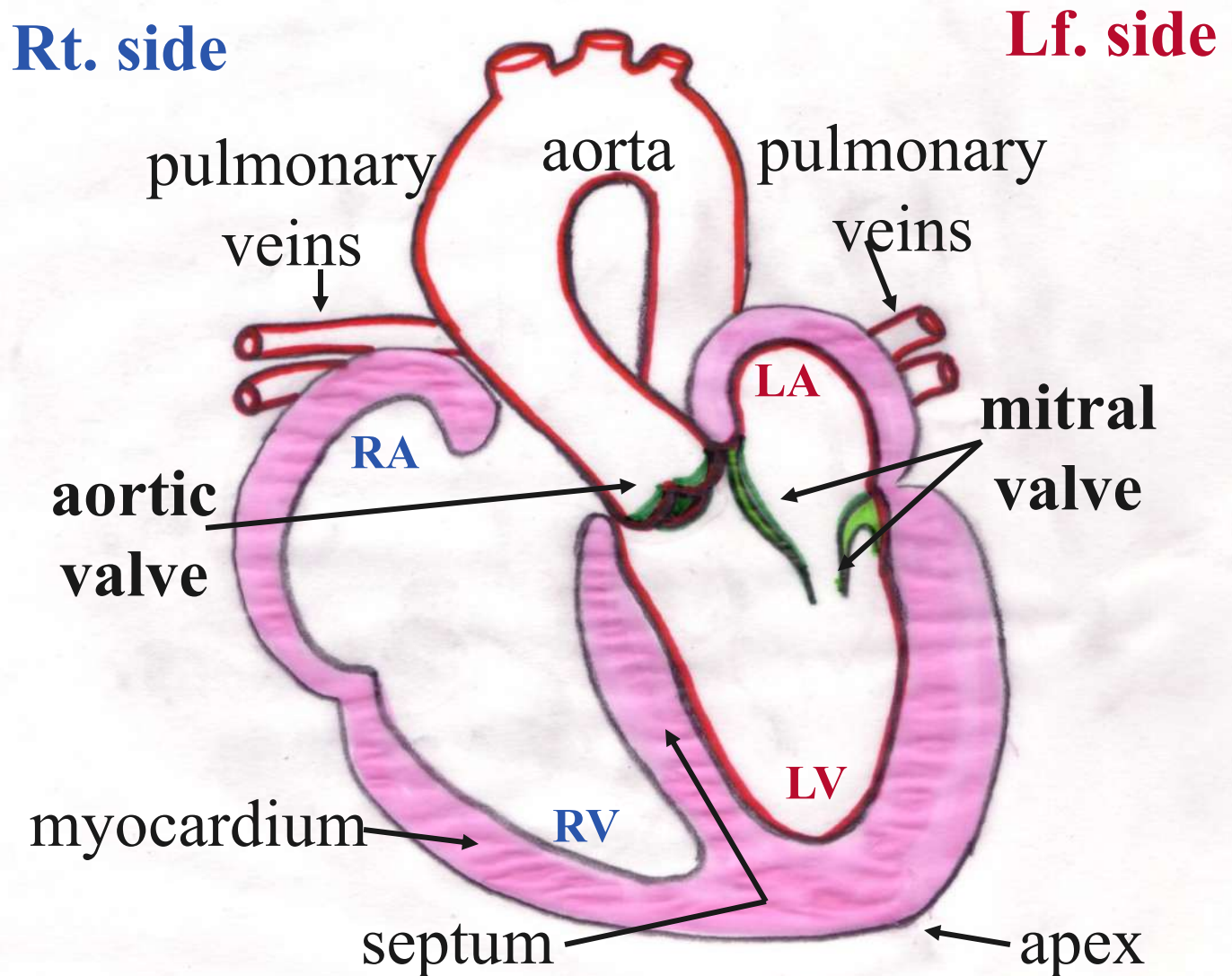
Step 6: Draw pulmonary veins.



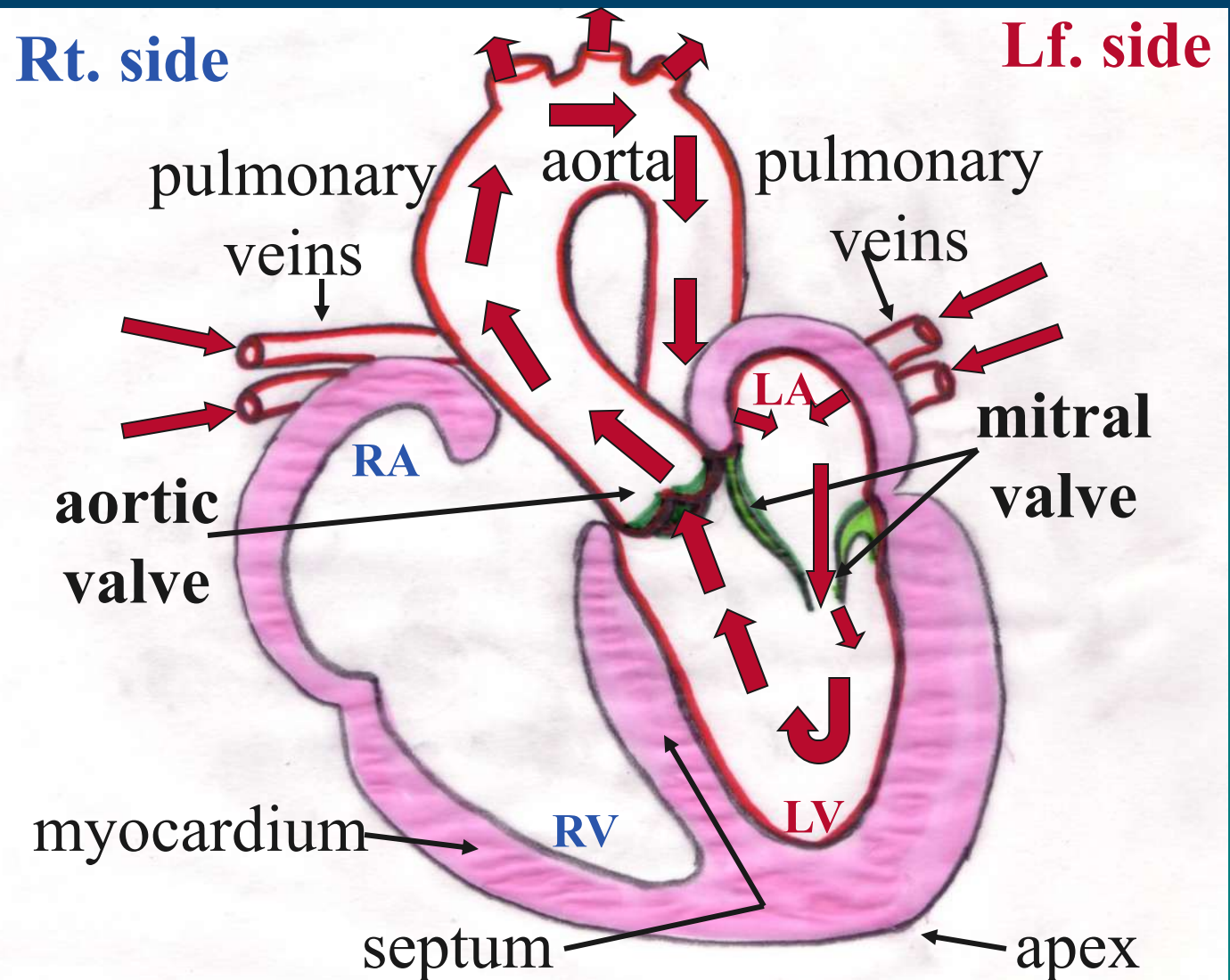
Step 7: Outline great vessels & chambers with red marker.



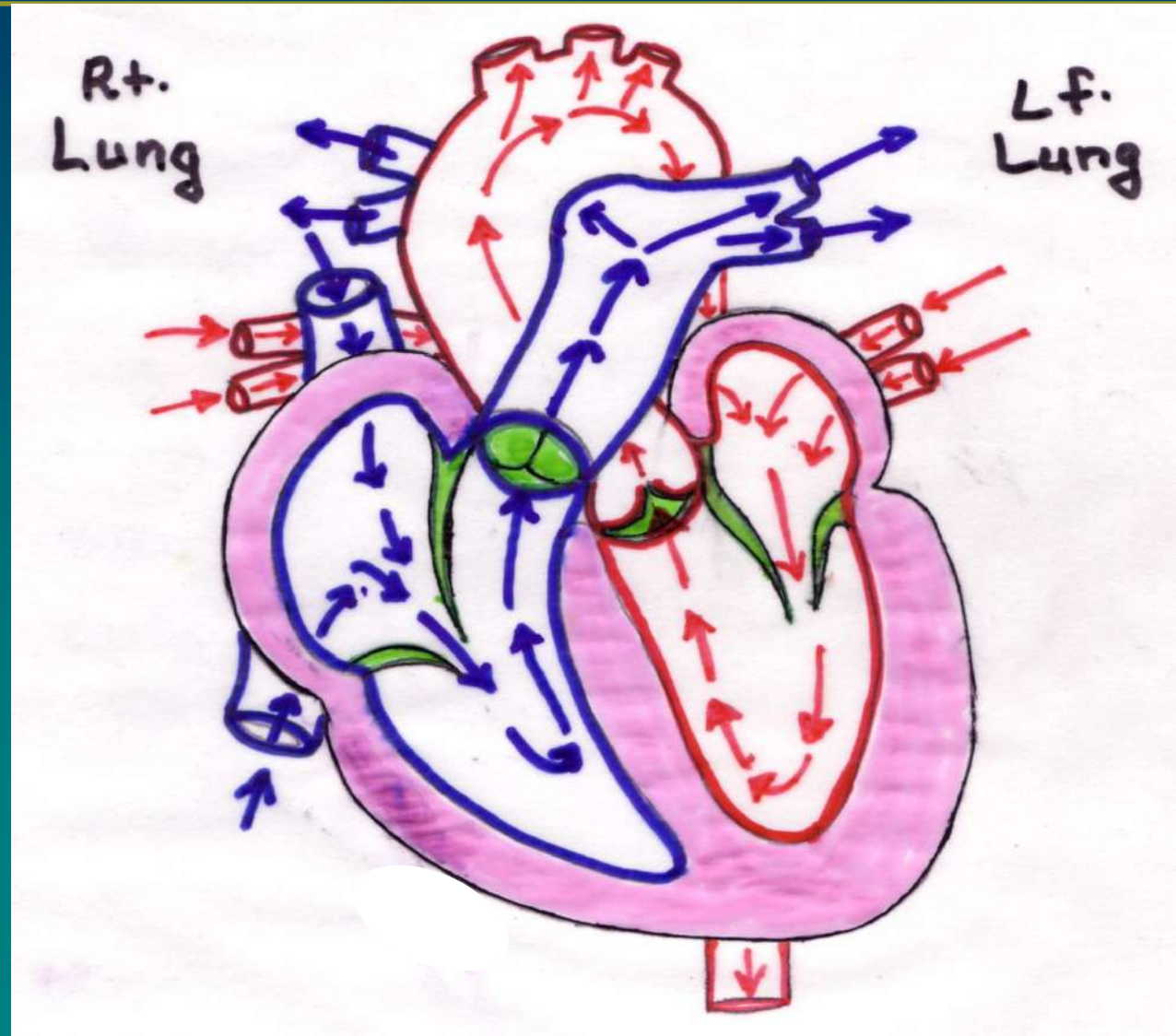
Step 7: Outline valves in green. Color septum & myocardium in pink.



Step 7: Indicate pathway of blood through left heart with arrows.



Final Step: Draw entire heart.



Cool “Heart Sites”

NOVA-*Cut to the Heart*:

<http://www.pbs.org/wgbh/nova/heart/heartmap.html>

Go With the Flow (Awesome site that includes lesson plans)

<http://www.smm.org/heart/lessons/lesson6.thm>

Virtual Hospital's Cardiac Catheterization: Introduction

<http://www.vh.org/Patients/IHB/IntMed/Cardio/Cath/Info.html>