

LAB 3: CARDIOVASCULAR SYSTEM: HEART

ACTIVITY 8: HEART ANATOMY

INDICATE LEFT/RIGHT WHERE APPLICABLE AND ARTERY/VEIN WHERE APPLICABLE ON QUIZ/EXAM

Use both a heart model and a cow/pig/sheep heart to locate these items:

*An * indicates structure will only be located on the heart model.*

1. Apex
2. Atrioventricular groove (coronary sulcus)
3. Anterior interventricular sulcus
4. Posterior interventricular sulcus
5. a. Right and b. left auricles
6. a. Right and b. left atria
7. a. Right and b. left ventricles
8. Interventricular septum
9. Pericardium (*on cat heart and selected preserved hearts*)
10. Epicardium
11. Myocardium
12. Endocardium
13. Right atrioventricular valve = right AV valve = tricuspid valve
14. Left atrioventricular valve = left AV valve = bicuspid valve = mitral valve
15. Chordae tendineae
16. Papillary muscle
17. Aortic semilunar valve
18. Pulmonary semilunar valve
19. Ascending aorta
20. Pulmonary trunk
21. Superior vena cava (SVC)
22. Inferior vena cava (IVC)
23. Pectinate muscles
24. Trabeculae carneae
25. a. Left and b. right coronary arteries *
26. a. Left and b. right pulmonary arteries *
27. a. Left and b. right pulmonary veins *
28. Aortic arch *
29. Brachiocephalic artery (trunk) *
30. Left common carotid artery *
31. Left subclavian artery *
32. Coronary sinus (including opening in the right atrium) *
33. Fossa ovalis *
34. Ligamentum arteriosum *
35. Foramen ovale (*fetal model*)

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ACTIVITY 7: HEART ANATOMY

Chart 8: Structures of Fetal Circulation

Opening in Fetus	Structure after birth	Fetal Connection	Purpose
Foramen ovale	Fossa ovalis	Left and right atria	Fetal lung bypass
Ductus arteriosus	Ligamentum arteriosum	Pulmonary trunk and aorta	Fetal lung bypass

Trace the pathway of blood through the heart and the pulmonary circuit:

Start at the SVC, IVC, or coronary sinus and end at the aorta:

[illegible]