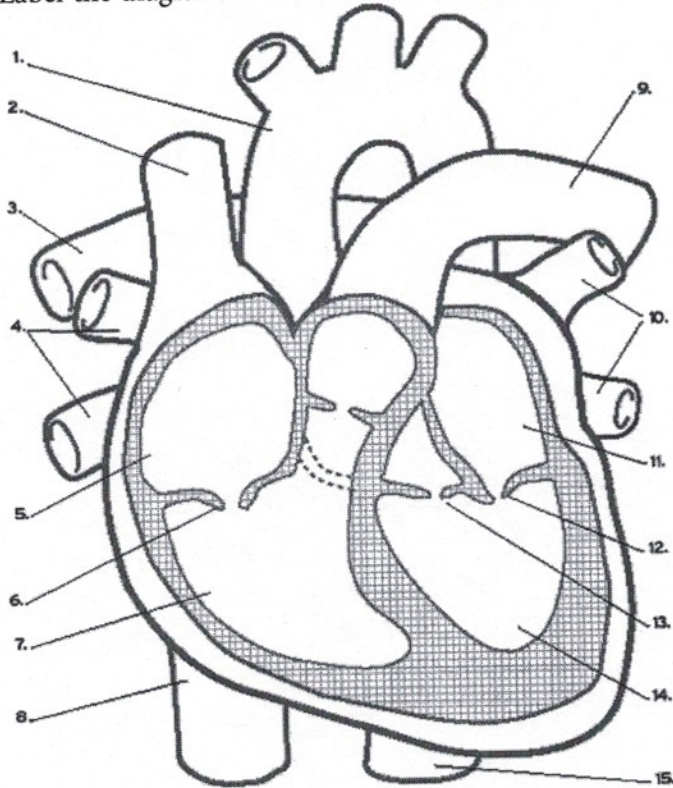


Label the diagram of the human heart below.



1.	_____
2.	_____
3.	_____
4.	_____
5.	_____
6.	_____
7.	_____
8.	_____
9.	_____
10.	_____
11.	_____
12.	_____
13.	_____
14.	_____
15.	_____

Analysis Questions

1. How can you tell which side of the heart is the ventral surface?

2. How many chambers are found in the mammalian heart? List these chambers.

3. Which chambers are the pumping chambers of the heart?

4. Which chambers are the receiving chambers of the heart?

5. Compare the structure of the tricuspid valve with that of the pulmonary valve.

6. How do the walls of the atria compare with the walls of the ventricles and why are they different?

7. What is the purpose of heart valves?

8. Define the following disorders:

Mitral valve prolapse -

9. Explain the structure and function of the pericardial sac.

10. List and compare the three layers of the heart wall.

11. Vessels that carry blood away from the heart are called _____, while _____ carry blood toward the heart.

12. Which artery is the largest and why?

13. What is the purpose of the coronary artery and what results if there is blockage in this vessel?

14. Can an artery carry deoxygenated blood? Explain.

15. What is the difference between the ligamentum arteriosum and the ductus arteriosus?

16. Where is the moderator band and what are its functions?

17. What is the difference between the papillary muscle and the pectinate muscle?

18. List in order the blood vessels, chambers, and valves through which a drop of blood must pass in traveling from the vena cava to the aorta.