The Human Heart Crossword
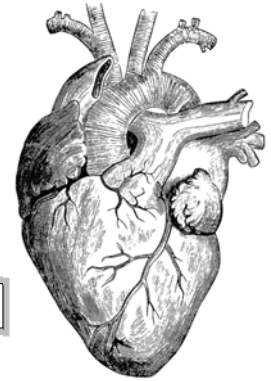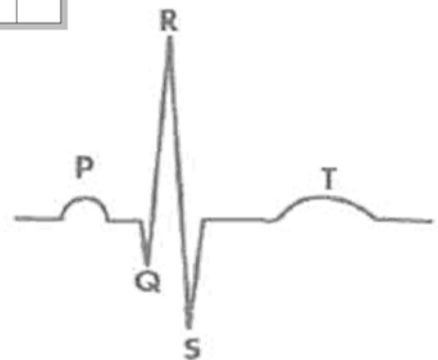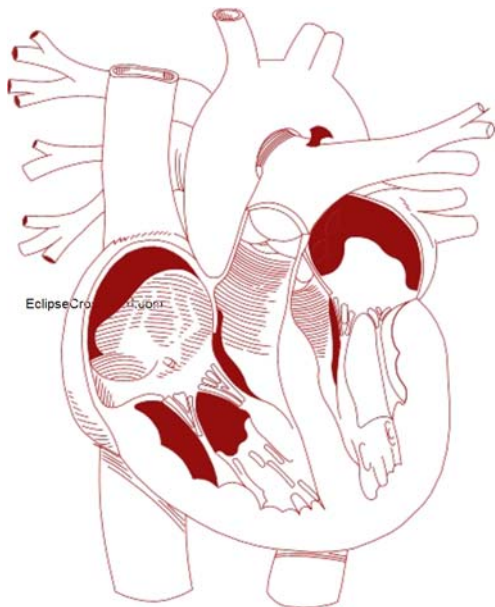
Across

1. The pulmonary _____ carry blood from the lungs to the heart.
4. These fibers receive an electrical signal from the AV node through the AV bundle and cause the ventricles to contract.
5. Each heartbeat is called a _____ (2 words).
10. These are referred to as our "heart strings" and help keep the AV valves closed (2 words).
15. Name for cardiac muscle tissue
16. There are two of these valves: the aortic and pulmonary.
17. Describes the wave effect that passes down the walls of arteries when the aorta expands then recoils with each ventricular contraction.
18. The heart is found within this thick, serous membrane that secretes a lubricating fluid
22. The pulmonary _____ carry blood to the lungs for oxygen.
23. Refers to the relaxation of heart muscle
24. Chamber that collects blood returning from the lungs (2 words).

Down

1. Connects the umbilical vein to the inferior vena cava in a fetus.
2. Muscular wall of tissue that separates the two halves of the heart
3. The atrioventricular _____ valve separates the left atrium and left ventricle.
6. This node is found on the wall of the right atrium and is responsible for signaling the ventricles to contract.
7. Chamber that sends blood to the lungs (2 words).
8. Very muscular chamber that sends blood to the body (2 words).
9. Chamber collects blood returning from the body (2 words).
11. The atrioventricular _____ valve separates the right atrium and right ventricle.
12. A recording of the changes that occur in the myocardium during a cardiac cycle (P-QRS-T)
13. Found in fetal hearts only, this is an opening between the pulmonary artery and aorta (2 words).
14. The _____ nervous system is responsible for modifying heart rate.
19. This node is known as our natural "pacemaker" and is responsible for signaling the atria to contract.
20. Connects the right and left atrium to allow blood to bypass the lungs in fetal circulation (2 words).
21. Refers to the contraction of heart muscle.