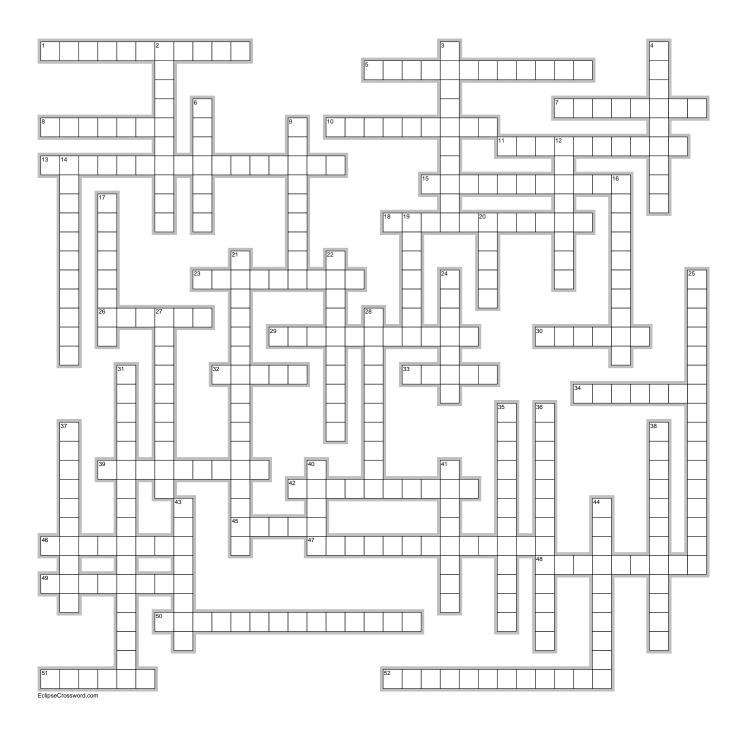
Biology 12

Circulatory System

Name:		
Per:	Date:	

Circulatory System Crossword



- 1. Thin walled blood vessels that are the site of nutrient and gas exchange between the blood and tissue fluid.
- 5. Each heartbeat is called a _____ (2 words).
- 7. The atrioventricular ______ valve separates the left atrium and left ventricle.
- 8. This major vein returns blood from the head to the heart.
- 10. The right side of the heart is responsible for the _____ circuit.
- 11. The ______ arteries and veins take blood to and from the arms.
- 13. Device used to measure blood pressure.
- 15. Chamber collects blood returning from the body (2 words).
- 18. Connects the right and left atrium to allow blood to bypass the lungs in fetal circulation (2 words).
- 23. The muscles found in the arterioles that can regulate the flow of blood through a capillary bed.
- 26. These are found only in veins and prevent blood from flowing backwards
- 29. Term for low blood pressure.
- 30. Muscular wall of tissue that separates the two halves of the heart
- 32. Category of blood vessels responsible for returning blood to the heart.
- 33. This term refers to the vessels that divide in the pelvic region and begin heading to the legs.
- 34. Refers to the contraction of heart muscle.
- 39. The atrioventricular ______ valve separates the right atrium and right ventricle.
- 42. This artery takes blood to the digestive system.
- 45. The largest artery in the body.
- 46. Category of blood vessels that carry blood away from the heart.
- 47. Very muscular chamber that sends blood to the body (2 words).
- 48. There are two of these valves: the aortic and pulmonary.
- 49. These fibers receive an electrical signal from the AV node through the AV bundle and cause the ventricles to contract.
- 50. Chamber that sends blood to the lungs (2 words).
- 51. Composed mainly of water, provides the fluid component to blood.
- 52. Scientific name for red blood cells.

Down

- 2. Blood vessels responsible for controlling the flow of blood leading to the capillaries.
- 3. This node is known as our natural "pacemaker" and is responsible for signaling the atria to contract.
- 4. The _____ capillaries collect excess tissue fluid.
- 6. This word refers to the vessels that interact with the liver.
- 9. The ______ nervous system is responsible for modifying heart rate.
- 12. These arteries and veins are responsible for supplying the heart tissue with blood.
- 14. The heart is found within this thick, serous membrane that secretes a lubricating fluid
- 16. Name for cardiac muscle tissue
- 17. The superior and inferior ______ return blood from the upper and lower body to the right atrium (2 words).
- 19. Drain blood out of the capillaries and combine to form veins.
- 20. Describes the wave effect that passes down the walls of arteries when the aorta expands then recoils with each ventricular contraction.
- 21. These are referred to as our "heart strings" and help keep the AV valves closed (2 words).
- 22. Scientific name for white blood cells.
- 24. This major artery runs up the side of your neck to your head.
- 25. This node is found on the wall of the right atrium and is responsible for signaling the ventricles to contract.
- 27. Connects the umbilical vein to the inferior vena cava in a fetus.
- 28. Found only in red blood cells, this carries oxygen and carbon dioxide.
- 31. A recording of the changes that occur in the myocardium during a cardiac cycle (P-QRS-T)
- 35. Scientific name for platelets.
- 36. Usually measured using the brachial artery in the arm, a normal reading is 120/80.
- 37. Chamber that collects blood returning from the lungs (2 words).
- 38. Term for high blood pressure.
- 40. The ______ artery and vein take blood to the kidneys then back to the heart.
- 41. Refers to the relaxation of heart muscle
- 43. The left side of the heart is responsible for the _____ circuit.
- 44. Produced by lymphocytes in response to an "invader" in the body.