

Name_____ Date_____ Period_____

Cardio System; Heart

View the following link to answer questions 1 through 5: [Respiratory to Cardiovascular System](#)

1. Where do red blood cells flow to after leaving the capillaries that surround the alveoli (air sacks) of the lungs?
2. What provides fluidity in the blood cells to keep them flowing and provides vital nutrients to the tissue cells?
3. What carries carbon dioxide rich blood from the tissue cells back to the heart and lungs?
4. How much blood does the average adult have in circulation at a time?
5. How often is the blood in the body circulated and filtered per day?

Use the two links below to answer questions 10 through 15 that follow:

[-Heart Diagram](#)

[-Blood Flow through the Heart](#)

10. Which chambers of the heart are superior...atria (atrium is plural) or ventricles?
11. Valves in the heart keep blood from flowing "backwards." Name the four valves of the human heart.
12. Blood exits the heart via the largest artery called the aorta. What is the largest vein bringing deoxygenated blood from the body back to the heart? Hint, it has both a superior and inferior path..
13. Does blood first enter the right or left side of the heart?
14. Why do you think the left side of the heart has more muscle tissue? If you are not sure, take a logical guess.