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1. What is the main purposes of the circulatory system?
2. Describe the role of each of the following:
  - a. Arteries
  - b. Veins
  - c. Hearth.
3. How does the hearth work? Clearly discuss the flow of blood relative to the lungs vs. other tissue. Please include the main parts of the heart in your discussion and the role of the left and right side.
4. O<sub>2</sub> and CO<sub>2</sub> are each transported through your blood.
  - a. Describe how each gets transported. If there are proteins involved, name them and describe their role.
  - b. What locations (you should be able to identify two) are O<sub>2</sub> and CO<sub>2</sub> exchanged?
5. What is atherosclerosis?
6. Describe the process of atherogenesis.
7. What are common causes of atherosclerosis?
8. Fat Transport:
  - a. What are chylomicrons and what role do they play in your body?
  - b. What does HDL stand for?
  - c. What does LDL stand for?
  - d. What role does HDL play in your body?
  - e. What role does LDL play?
  - f. What is the difference between the two (in terms of what they are made out of)?
9. How is exercise and lifestyle important in cardiovascular health?
10. What role does diet play in the risk of atherosclerosis?