

Health Science Technology Education Cardiology

1. Draw and label the parts of the heart.
2. What diagnostic tests can be done to evaluate heart function?
3. Define the following terms:
 - arrhythmia
 - cardioversion
 - depolarization
 - ectopic beat
 - fibrillation
 - ischemia
 - thrombosis
4. What can be done to improve conduction of electrical impulses in the heart?
5. Explain where EKG leads are placed and why.
6. Draw a normal EKG, label it, and explain how it relates to heart function.
7. How can a myocardial infarction be identified from an EKG strip?
8. Explain why EKG's are performed during stress testing and what changes occur to the EKG when there is heart damage.
9. What is a sinus arrhythmia?
10. Identify the risk factors for cardiovascular disease.
11. Compare and contrast angioplasty, atherectomy, and bypass surgery.
12. What is angina?
13. What are the signs and symptoms of a cerebrovascular accident (CVA)?
14. What is a myocardial infarction?
15. Differentiate between atherosclerosis and arteriosclerosis.
16. What are the signs and symptoms of a heart attack?
17. Differentiate between dysphagia and aphasia.

18. Describe echocardiography.
19. What is a Holter Monitor, and when is one indicated?
20. Differentiate between bradycardia and tachycardia.
21. Explain the difference between systolic and diastolic pressure.
22. What are normal systolic and diastolic pressures for an adult?
23. What is asystole?
24. What are normal pulse rates for an adult?
25. What would you expect for a normal pulse rate of a triathlete?