

Name _____
Anatomy/Physiology

Hour _____
Date _____

The Cardiac Cycle

1. What is the cardiac cycle? What does it include? (1 pt)
2. How long does it take for 1 normal contraction of the heart to occur? (.5 pt) _____
3. What controls the rate of cardiac muscle contractions? (.5 pt) _____
4. There are 2 divisions of the autonomic nervous system (p.231). 3 pts
Describe the 1.) functions of each (1 pt) and 2.) how they affect the heart *and* blood vessels.
5. What do the following chemicals the body secretes, do to the heart rate? 1 pt
 - Norepinephrine
 - Acetylcholine -
6. Why do the walls of both the atria and then both the ventricles contract at the same time? 1 pt
7. Trace (list the 5 steps) the path of electrical impulse conduction in the heart. 2.5 pts

8. What is the difference between an electrocardiograph and an ECG? 1 pt

9. Contrast the terms *depolarization* and *repolarization*. 1 pt

10. What are the 3 characteristic deflections or waves? Explain each. 3 pts

-
-
-

11. Why can you not see the repolarization of the atria? .5

12. Why are ECG tracings/readings so important? .5

13. What is dysrhythmia? .5

14. List/Define the types of dysrhythmia. 5 pts