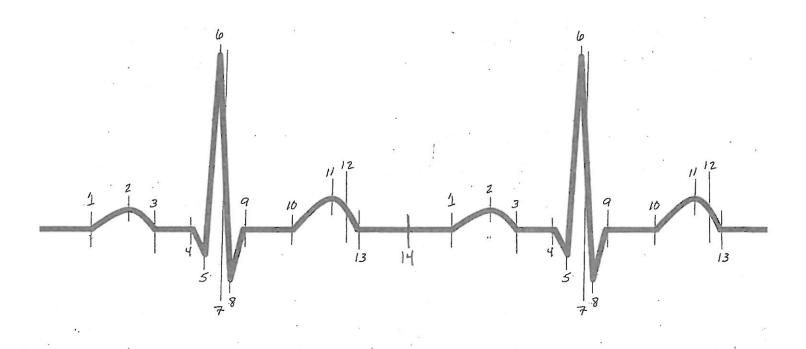
Bio& 242, Unit 3 / Lab 3 EKG Analysis

G. Blevins/G Brady Winter 2012



<u>Directions:</u> Using the time periods (numbers) indicated on the graph above, indicate the specific time periods (single point or interval) for each of the cardiac activities that are part of a Cardiac cycle stated below. Place the number: (i.e., 1), if statement represents a single point, or numbers (i.e, 1-4), if statement represents an interval, for the correct time period on the lines provided next to the statement:

Cardiac Activity 1. Period of rapid Na⁺ influx into the atria 2. Period of slow Ca²⁺ influx into the atria 3. Period of rapid Na⁺ influx into the ventricles

4. Period of slow Ca ²⁺ influx into the ventricles	
5. Period of Atrial depolarization	
6. Period of Atrial repolarization	
7. Period of Ventricular depolarization	
8. Period of Ventricular repolarization	
9. Period of Atrial systole	
10. Period of Atrial diastole	
11. Period of Ventricular systole	
12. Period of Ventricular diastole	
13. Period of Isovolumetric relaxation	
14. Period of Isovolumetric contraction	·
15. Point were semilunar valves close	
16. Point were Semilunar valves open	
17. Point were AV valves close	
18. Point were AV valves open	
19. Point were 1st sound "lubb" occurs	
20. Point were 2 nd sound "dupp".occurs	
21. Period of Rapid ventricular filling (passive)	
22. Period of Diastasis filling (passive)	
23. Forced ventricular filling (active)	
24. Period of the "P" wave	
25. Point of "Q" during QRS complex	
26. Point of "R" during QRS complex	
27. Period of the "T" wave	
28. Period of Ventricular ejection	
29. Period(s) when all valves are closed	
30. Period that represents time required for an impulse to travel through the atria. AV node, and conduction fibers.	

31. Period that represents time when ventricular myocardium is fully depolarized during the plateau phase of a myocardial action potential.	<u> </u>
32. Period when both the atria and ventricles are at a resting membrane potential.	
34. Period of time when ESV can be measured.	
35. Period of time when EDV can be measured.	