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Name: Ms. Randall Cardiac Conduction		Date:	
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Watch the following tutorial and https://www.johnwiley.net.au/higmeset.htm		Distribution/content/Dist	ribution/cardio1a/fra
1.1 Introduction			
Label the cardiac conduction sy	stem.		
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2.1 Cardiac Conductile Cells				
Areas of the cardiac conduction system that can spon	taneously depolarize.			
1. Match the area with the rate:				
	1. 40-50 beats/minute			
b. Atrioventricular (AV) node c. Ventricles	2. 20-40 beats/minute3. 100 beats/minute			
2. Define the term Autorhythmic				
2.2 Conductile Pathway				
1. Describe the flow of action potentials through the	e heart's conductive system starting at the SA node.			
2. What are the primary functions of the AV node?				

2.3 Timing of the contraction signal

1. Why is there a delay at the AV node in continuing the impulse?

2.4 Conduction system and ECG

1. Fill in the information in the chart

Waveform	Event	Illustration
P Wave	depolarization	
QRS Complex	depolarization	
T Wave	repolarization	T Wave

3.1 Depolarization of the SA node

1. What is the difference between a typical contractile myocardial cell and an SA node cell in terms of membrane potential?

1. List and describe the four stages of the action potential of a healthy ventricular cell.	
2. Which part of the nervons system helps to determine the heart rate? Is this a volunta process?	ary or involuntar
4.1 Affects of the nervous system on the conduction system	
1. What effects do Acetylcholine and norepinephrine have on the heart rate?	

3.2 Action Potentials of the Myocardium