

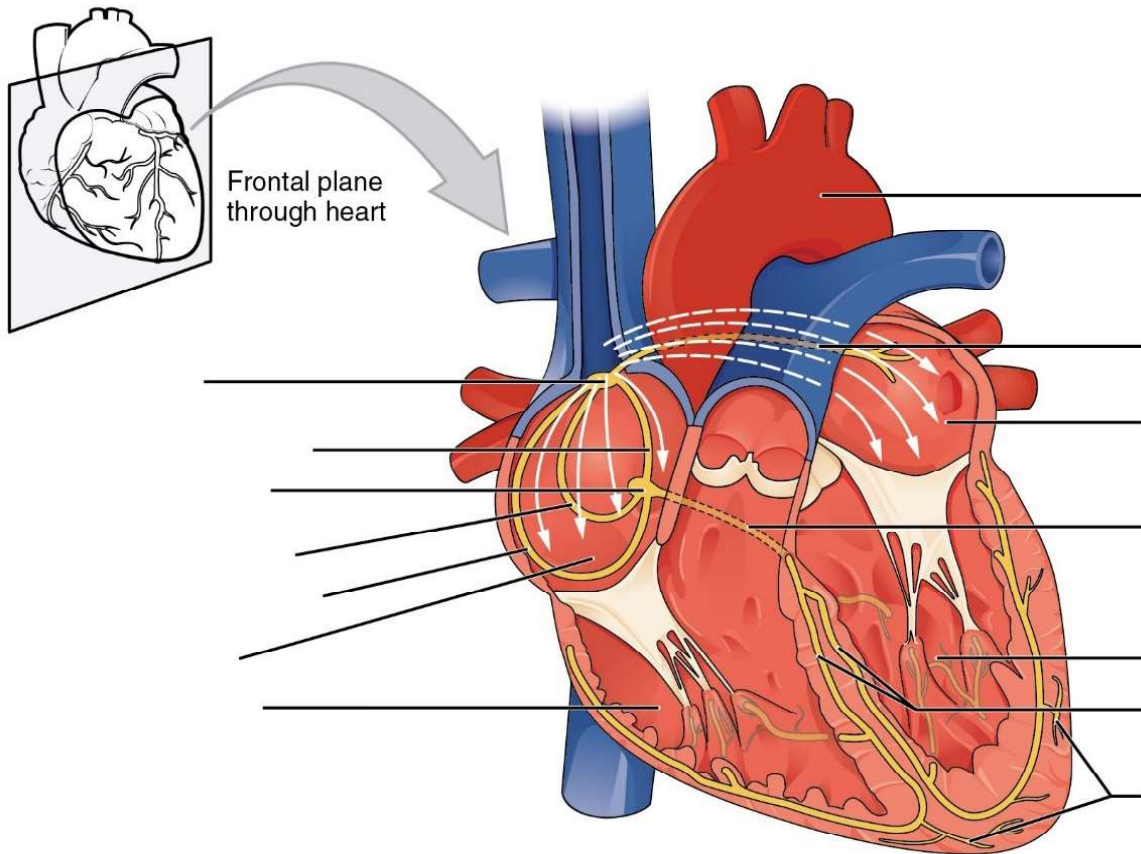
Table of Contents

FOCUS: Cardiac Conduction Pre-Quiz	3
LEARN: Part 1 - ECG Leads and Obtaining Rhythm Strips	5
LEARN: Part 2 - ECG Interpretation.....	9
LEARN: Part 3 - Atrial Arrhythmias	15
LEARN: Part 4 - Ventricular Arrhythmias.....	17
LEARN: Part 5 - Conduction Block Arrhythmias	19
REVIEW: Test Your Knowledge	21

FOCUS

Cardiac Conduction Pre-Quiz

Label the parts of the conduction system in the heart:



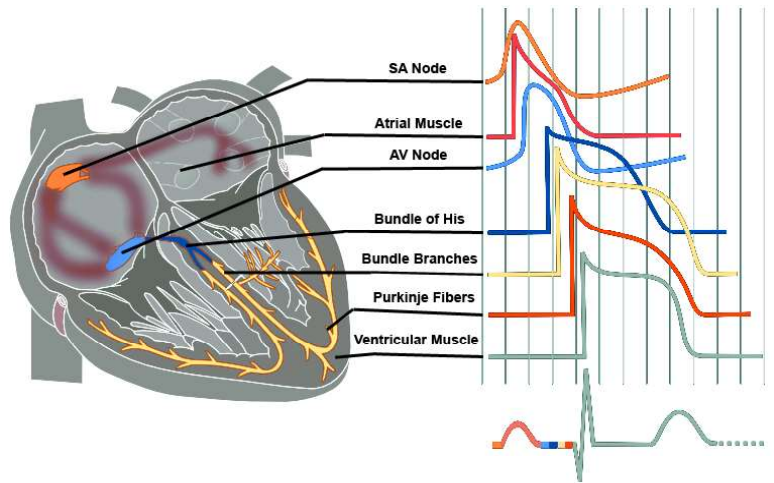
Anterior view of frontal section

- Purkinje fibers
- Left ventricle
- Atrioventricular (AV) bundle (bundle of His)
- Sinoatrial (SA) node
- Bachman's bundle
- Arch of the aorta
- Anterior internodal
- Right ventricle
- Left atrium
- Middle internodal
- Right atrium
- Right and left bundle branches
- Posterior internodal
- Atrioventricular (AV) node

LEARN: Part 1

ECG Leads and Obtaining Rhythm Strips

1. What does an electrocardiogram record? _____
2. Who invented the ECG and distinguished five deflections in a waveform? _____
3. In the diagram to the right, place a **circle** around the waves produced in the atria.
4. In the diagram to the right, place a **square** around the waves produced in the ventricles.
5. Leads pick up electrical activity from different _____.
6. Which ECG, 3-lead or 12-lead, is the most accurate in diagnosing heart conditions? _____
7. Leads I through III use negative and positive electrodes to measure activity between points. They are called _____.
8. Augmented and precordial leads measure activity at one point so they are called _____.
9. Complete the following chart on leads and corresponding view of the heart:



I	aVR		V4
Lateral	None	Septal	
II		V2	
	Lateral		Lateral
	aVF		V6
Inferior		Anterior	

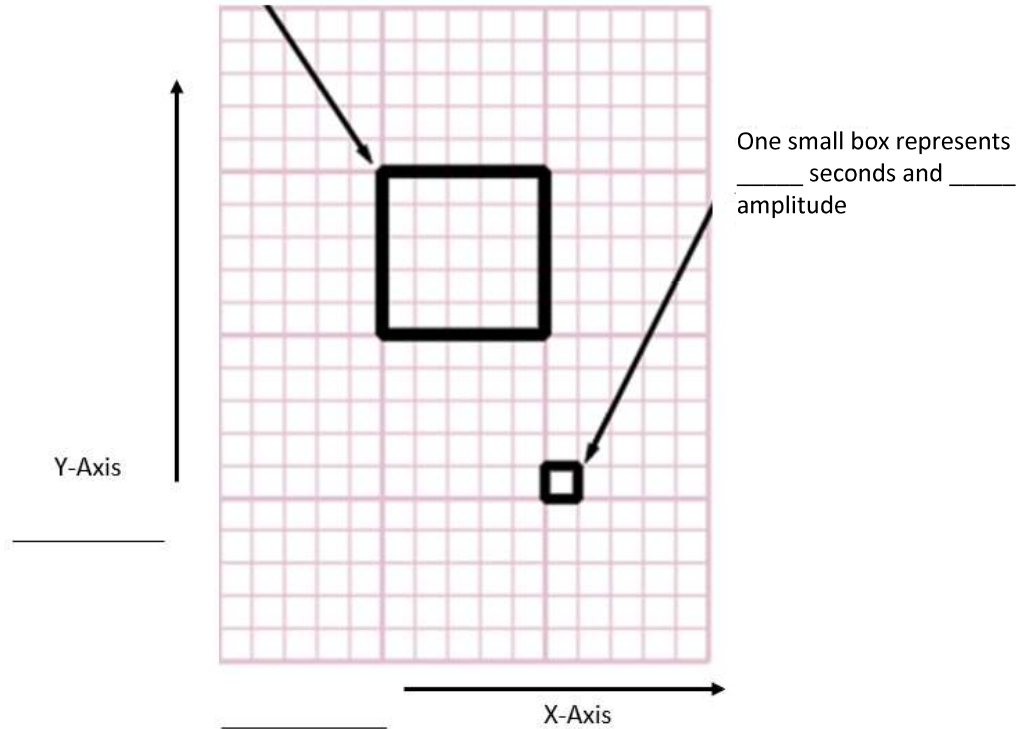
10. Place leads over _____, not over bony prominences, thick muscles, or skin folds.

LEARN: Part 2

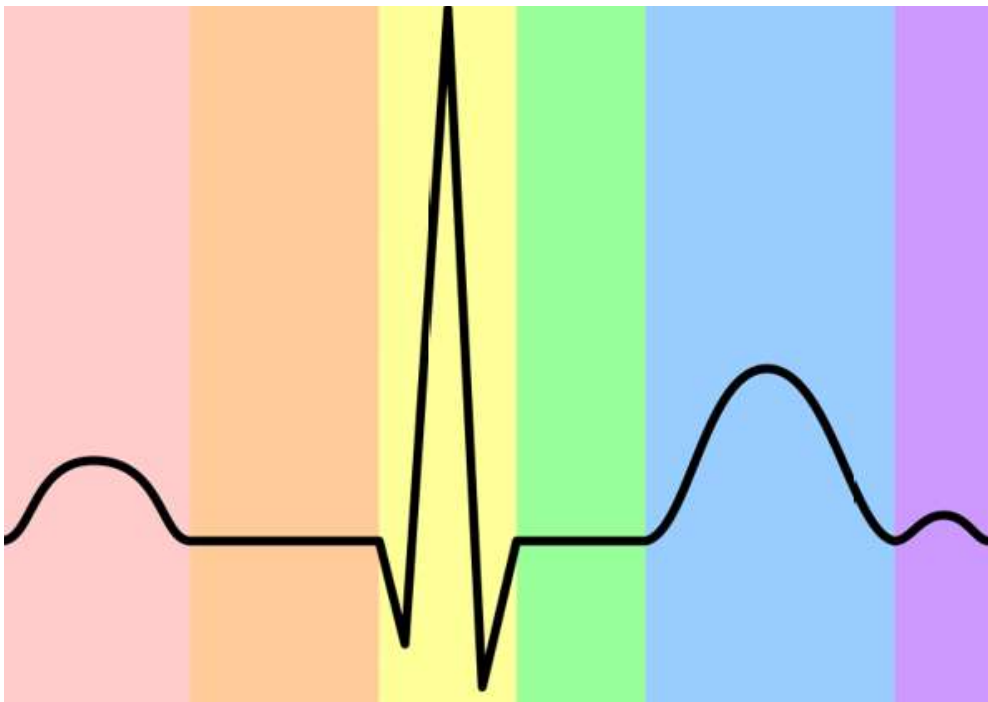
ECG Interpretation

1. Fill in the blanks below about ECG paper:

One large box represents _____ seconds and _____ amplitude



2. Label the waves, segments, and intervals below:



Translated, Modified: Derivative: RehuaOriginal: Hank van Helvete [CC BY-SA 3.0 (<https://creativecommons.org/licenses/by-sa/3.0/>)]