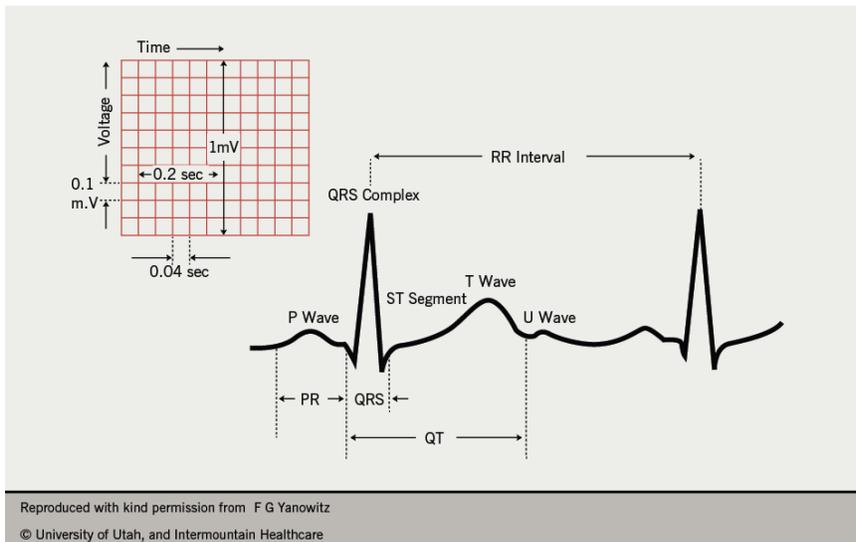
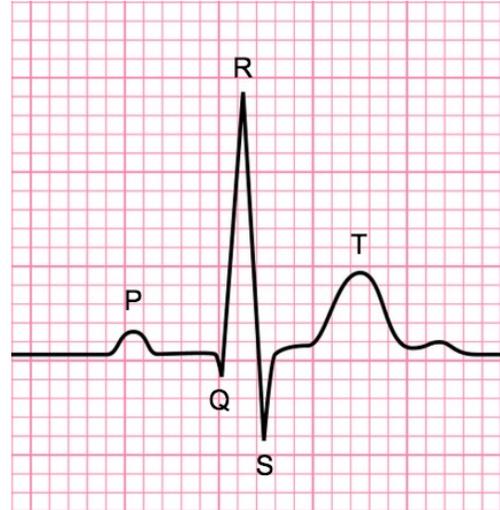
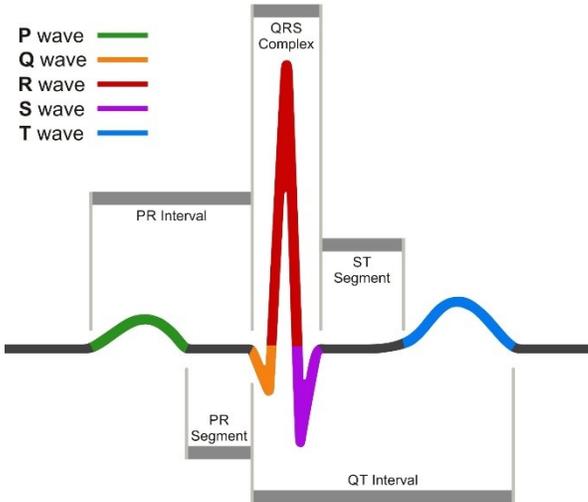


The EKG waveform consists of:

- P Wave: Represents atrial depolarization
- QRS: Represents ventricular depolarization
- T Wave: Represents ventricular repolarization



- 1 small square on an ECG trace (at 25 mm/s speed) = 0.04 s
- PR interval 0.12–0.20 seconds (3–5 small squares)
- QRS complex 0.06–0.12 seconds (1.5–2.5 small squares)- **if Bradycardia could be slightly prolonged at slower rates**

### Six Basic Steps for Rhythm Interpretation

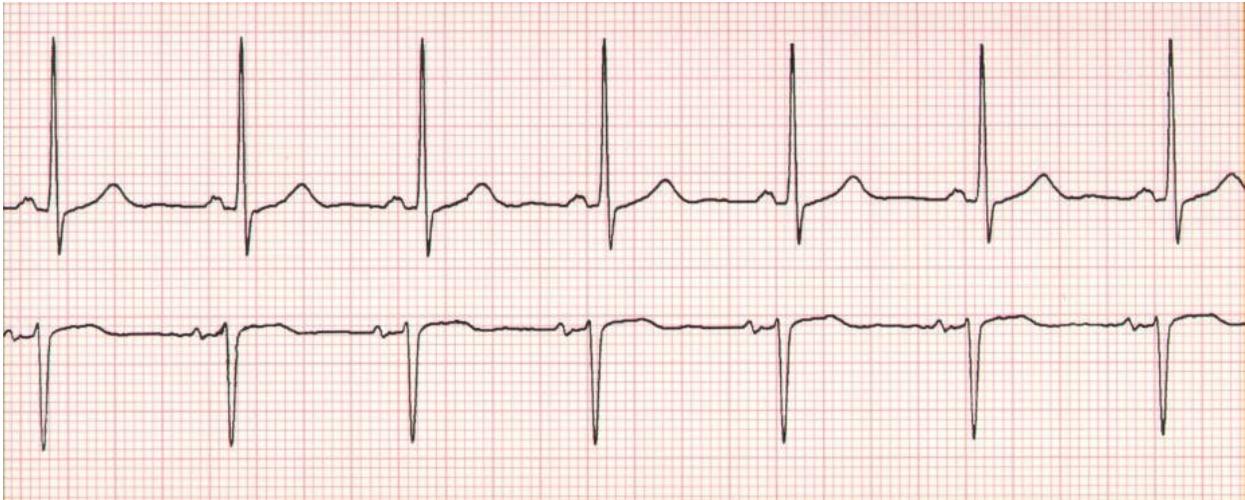
1. Rate: (Calculate the heart rate (HR) or note the HR from the monitor)
2. Regularity: (Measure the regularity or rhythm of the R waves)
3. P-wave Examination: Is there one P wave before each QRS? (there should be)
4. P to R Interval: (Measure the P to R interval - Is it within normal limits? It is consistent?)
5. QRS Width: (Measure the duration of the QRS complex)
6. Rhythm Interpretation

N321 Adult Health EKG Practice

### Please assume these are 6s strips

Please determine heart rate, irregular or regular rhythm, P wave before QRS, PR interval, QRS interval

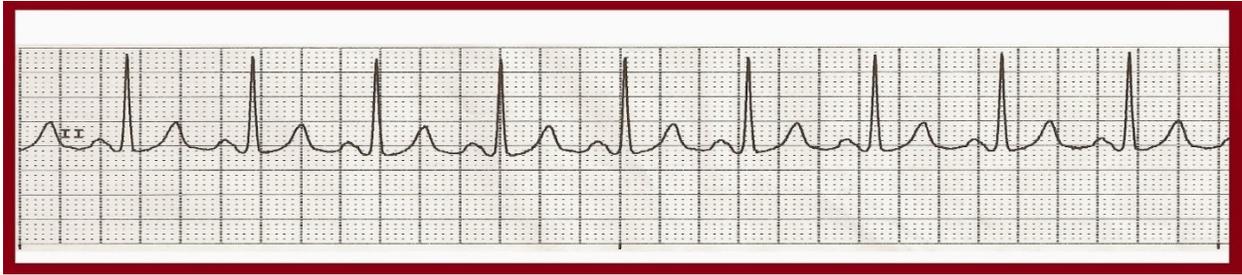
Then answer if Normal sinus rhythm, Sinus Bradycardia, Sinus Tachycardia, Asystole



1. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

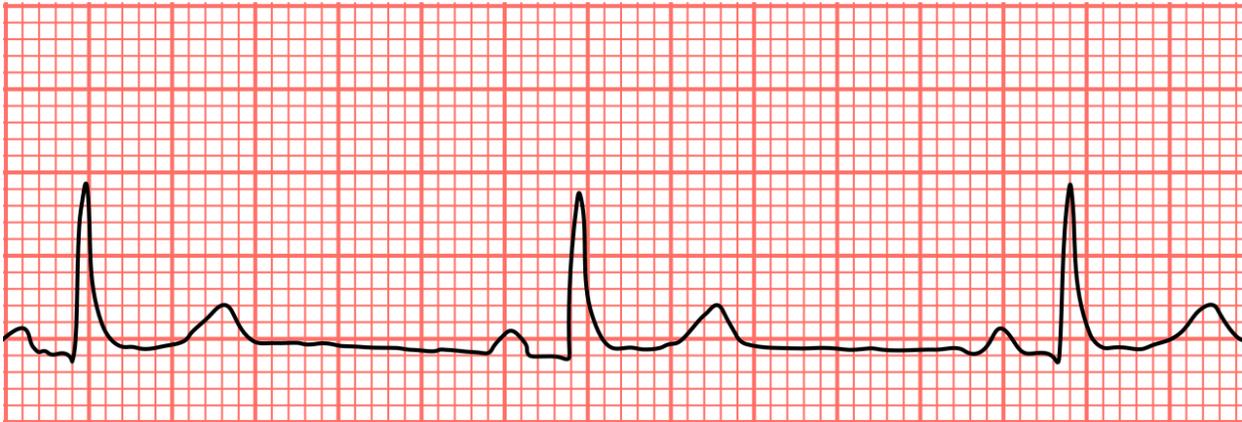
Answer: \_\_\_\_\_



2. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

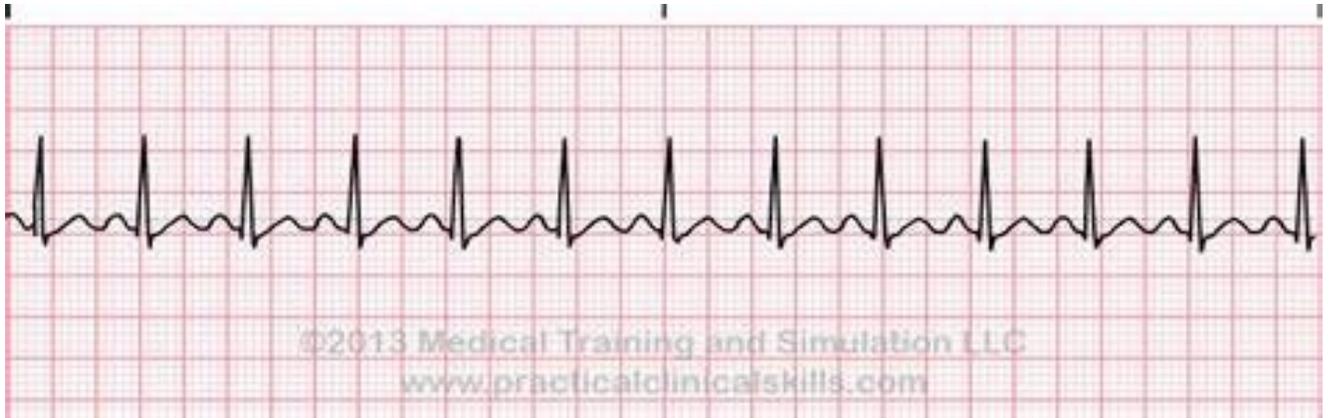
Answer: \_\_\_\_\_



3. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

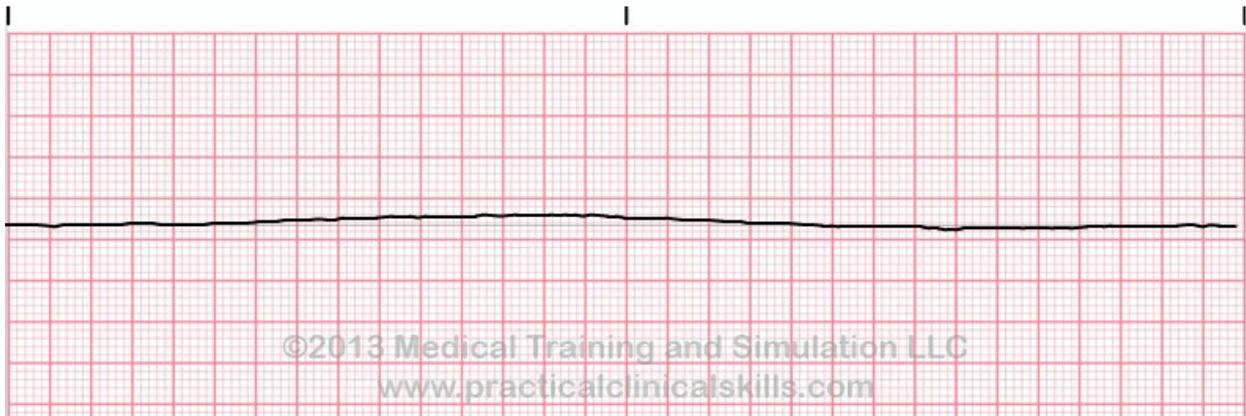
Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.10 \_\_\_\_\_

Answer: \_\_\_\_\_



4. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_  
 Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

Answer: \_\_\_\_\_



5. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave \_\_\_\_\_

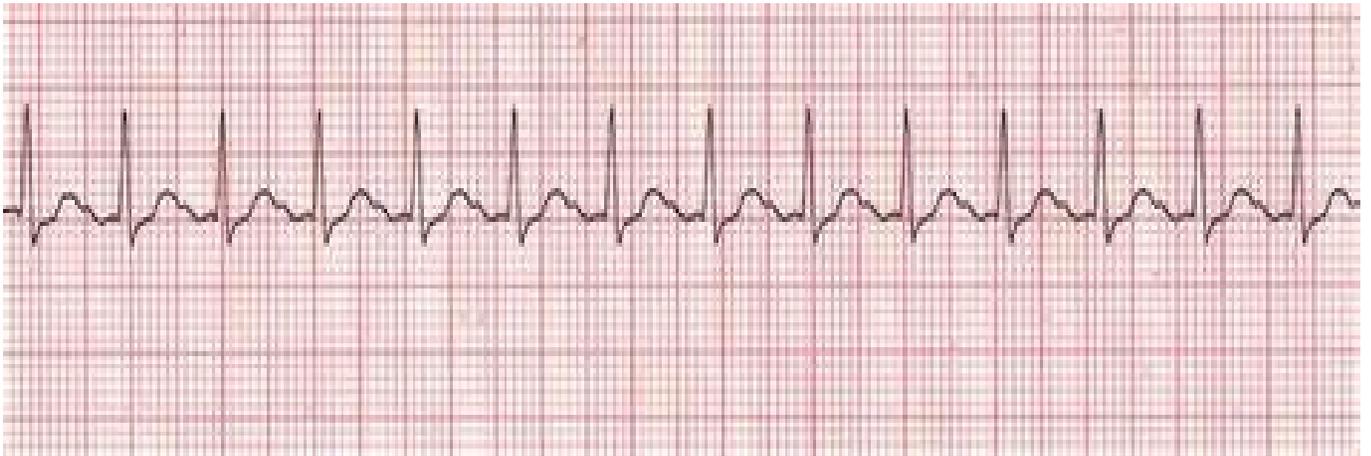
Answer: \_\_\_\_\_



6. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

Answer: \_\_\_\_\_



7. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

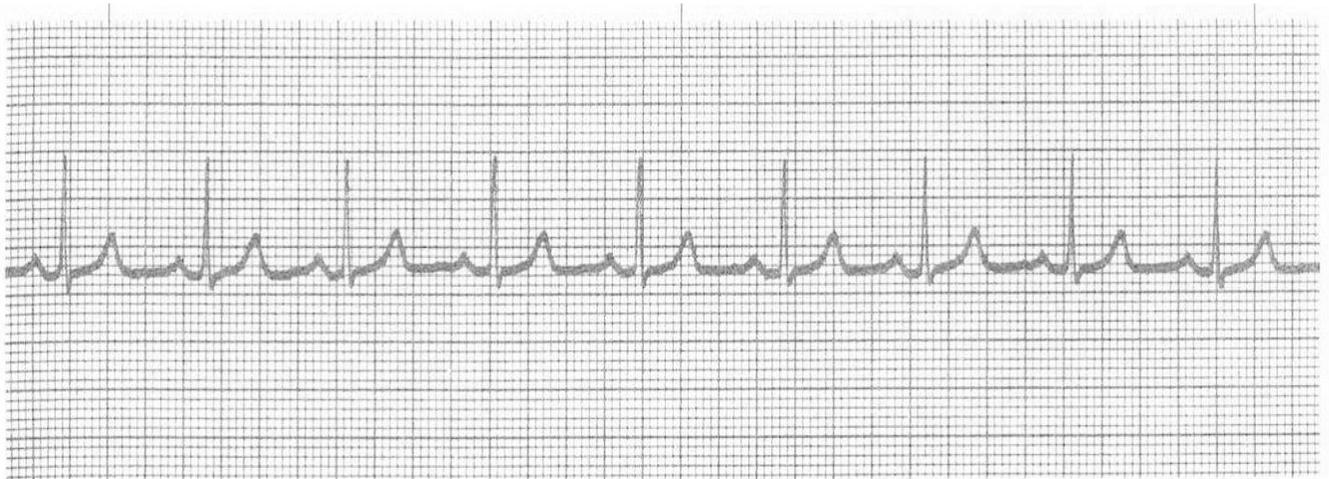
Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

Answer: \_\_\_\_\_



8. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave \_\_\_\_\_

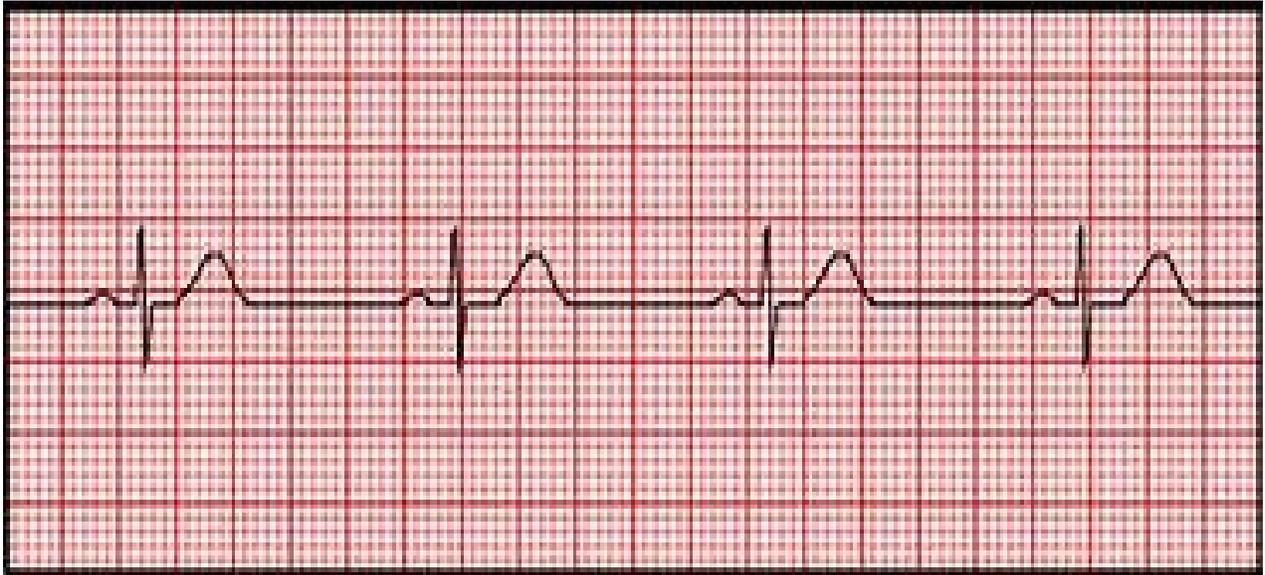
Answer: \_\_\_\_\_



9. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

Answer: \_\_\_\_\_



10. Heart Rate \_\_\_\_\_ Regular or irregular \_\_\_\_\_ P wave before each QRS \_\_\_\_\_

Between PR (0.12-0.20) \_\_\_\_\_ QRS 0.06-0.12 \_\_\_\_\_

Answer: \_\_\_\_\_