Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_

**Setting the Pace Quiz**

**Word Bank**

ischemia capillaries tachycardia arteries diastole

bradycardia cardiac electrocardiography veins defibrillator

pulmonary electrocardiogram angina pectoris systole infarct

systemic fibrillation

1. If your heart beats too rapidly for its tissues to get enough oxygen, you would feel a crushing heart pain

 known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. Having a heartbeat of more than one hundred beats per minutes is known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

3. The technique that measures the electrical currents from the heart on the skin’s surface is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

4. When heart cells begin to die because of a lack of O2, a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ has occurred.



5. The picture at right is known as a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

6. Where on the drawing would the atria be contracting?

7. Where would the atrioventricular node be sending a signal?

8. Coronary veins are part of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ circulation.

9. During \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the ventricles would be relaxing.

10. An inadequate supply of blood to the heart tissue can lead to a condition known as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

11-12. Describe how the electrical signals pass through the heart and cause it to beat.

Bonus:

Name the following condition:

1. 

2. 

3. How many heartbeats are on number 2?

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are made out of nucleotides.

5. The process in which the cell uses messenger RNA to make a protein chain is known as

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.