

## Biology 1114: Circulatory System Vocabulary and Questions

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

### Vocabulary Matching: Part 1

- |                         |   |
|-------------------------|---|
| ___ 1. pulmonary artery | A. blood plasma that has left bloodstream |
| ___ 2. right atrium     | B. delivers oxygen to the heart           |
| ___ 3. lymph            | C. takes blood to the lungs               |
| ___ 4. erythrocyte      | D. initiates heart's electrical signal    |
| ___ 5. sinoatrial node  | E. receives blood from the body           |
| ___ 6. coronary artery  | F. pumps blood to the body                |
| ___ 7. leukocyte        | G. receives blood from the lungs          |
| ___ 8. left atrium      | H. white blood cell                       |
| ___ 9. left ventricle   | I. red blood cell                         |
| ___ 10. vein            | J. takes blood to the heart               |

### Vocabulary Matching: Part 2

- |                        |   |
|------------------------|---|
| ___ 1. atherosclerosis | A. high blood pressure                        |
| ___ 2. systolic        | B. clogged arteries                           |
| ___ 3. diastolic       | C. part of red blood cell that carries oxygen |
| ___ 4. hypertension    | D. removes toxins from blood                  |
| ___ 5. spleen          | E. non-cellular part of blood                 |
| ___ 6. hemoglobin      | F. tubes that carry oxygen to insect's body   |
| ___ 7. plasma          | G. pertaining to kidneys                      |
| ___ 8. tracheae        | H. blood pressure when ventricle contracts    |
| ___ 9. liver           | I. Blood pressure when ventricle relaxes      |
| ___ 10. renal          | J. lymphatic organ                            |

## Circulatory System Questions

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1. What is the difference between systolic and diastolic blood pressure?
2. What structures in the heart and in veins prevent the backflow of blood?
3. Describe the three types of blood cells and their functions.
4. How does the circulatory system help keep the body's temperature constant?
5. What are differences in the structure of amphibian, reptile and mammalian hearts?  
(Birds have a 4-chambered heart, too, by the way.)
6. Describe the pathway blood takes as it circulates around the human heart.
7. What factors could cause the cells of the body to receive enough oxygen?
8. What causes heart attacks?
9. Why does your heart beat faster when you are exercising?

