

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

### Biology Homework 1-7.1 Circulatory System

Use your **journal** as a reference tool in addition to the information provided below to answer the questions that follow.

The circulatory system is highly organized and consists of blood (which is made up of red blood cells, white blood cells, platelets and plasma), blood vessels (veins, arteries and capillaries) and the heart. Red blood cells import oxygen and export carbon dioxide to and from the cells. They also carry nutrients to every cell in the body. White blood cells are responsible for defending our bodies against infection caused from foreign material or bacteria.

1. What does the circulatory system consist of?

2. List the 4 components of blood.

3. A series of blood tests is performed on a patient who is not feeling well. The doctor may determine the patient has an infection if there is an increase in—

- A plasma
- B red blood cells
- C platelets
- D white blood cells

4. These blood cells transport oxygen and nutrients to every cell in the body.

- A plasma
- B red blood cells
- C platelets
- D white blood cells

5. Explain the function of white blood cells.