Name:

Date:

School:

Facilitator:

4.04 Components of Blood

# Part 1

**Complete the questions with short and concise answers.**

1. One of the functions of blood is transportation. What does the blood transport?

2. Another function of blood is defense. Give a brief explanation of how the blood accomplishes this function?

3. The blood also functions in removal of wastes. What type of wastes are carried in the blood for removal by other organs?

# Part 2

**Complete the statements about blood by filling in the blank with the correct word. Refer to your lesson on blood for answers.**

1. Blood is composed of red blood cells (or erythrocytes),  (or leukocytes), platelets, and the liquid portion called *.*

2. Plasma is composed of 92% water and proteins. Two of the proteins found in plasma are  and .

3. The molecule found in red blood cells that oxygen binds to is .

4.  is the process of forming new cells in the bone marrow.

5. Hemoglobin is a molecule containing four  atoms that oxygen binds to as it is carried through the blood.

6. The component of blood that is a formed element involved in blood clotting is .

**7. When you exercise your body produces heat, and blood vessels of the skin dilate to increase blood flow to that area. This occurs because      .**