

Name: \_\_\_\_\_

### Circulatory System Worksheet

1. What are the three formed elements in the blood?
2. What are the two functions of white blood cells?
3. What are the functions of the red blood cells?
4. When an infection occurs the number of antigens \_\_\_\_\_ 1 \_\_\_\_\_ and the body temperature \_\_\_\_\_ 2 \_\_\_\_\_. The infection is beaten when the number of antibodies is \_\_\_\_\_ 3 \_\_\_\_\_.
  - a) 1-decreases, 2-rises, 3-low
  - b) 1-increases, 2-rises, 3-high
  - c) 1-decreases, 2-drops, 3-low
  - d) 1-increases, 2-drops, 3-high
5. Why do people get many colds in one winter season?
  - a) Because each cold is different and requires a different antibody
  - b) They are getting the same cold over and over again
  - c) Because each cold is different and requires a different antigen
  - d) Because they are unlucky

6. Complete the chart

	Donate To	Receive From
A+		
AB-		
O+		
B+		
B-		

7. What are the three types of antigens that exist? What are the three types of antibodies a person may produce?
8. There are 4 people in the Sorella family. Lou AB+, Sandra is O+, Gabriella is B+ and Cassandra is B+. Which statement is correct about blood donations?
  - a) Lou can give blood to Cassandra and Gabriella but not to Sandra
  - b) Cassandra and Gabriella and give blood to Sandra and Lou
  - c) Sandra can accept blood from all the other members in the family
  - d) Sandra can donate blood to all the other members in the family
9. Cathy has had a serious car accident and need blood. The doctor wants someone in her family to donate blood to her. If Cathy is A+, use the following information to determine who she can receive blood from.

Mother: A+                      Brother: AB+                      Father: B+                      Sister: O+

  - a) Her mother
  - b) Her mother, brother and sister
  - c) Her mother and sister
  - d) All of them