

Name: Answer

Circulatory System Worksheet

1. What are the three formed elements in the blood?  
*platelets, wbc, rbc*
2. What are the two functions of white blood cells?  
*- Create antibodies to viruses + bacteria  
- rid dead rbc.*
3. What are the functions of the red blood cells?  
*transport O<sub>2</sub> + CO<sub>2</sub>*
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  
**c) 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+ A+	A+ O+ O- A-
AB-	AB-	A- B- AB- O-
O+	O+ AB+ A+ B+	O- O+
B+	B+ AB+	B+ B- O+ O-
B-	B- B+ AB+ AB-	B- O-

7. What are the three types of antigens that exist? What are the three types of antibodies a person may produce?  
*A, B, Rh      ANTI-A  
 ANTI-B  
 ANTI-RH*

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