

Investigation 3.4B1
Blood Worksheet, page 1

Dr: _____
P: ___ Date: _____

Directions: Use the information you learned about blood to answer the following questions.

1. What are the three major components of blood?
 - a. _____
 - b. _____
 - c. _____

2. What do we call the process by which we stop bleeding when we get a cut?

3. Which component of blood contains clotting factors?

4. What is the name of the disease where clotting factors are absent?

5. What is the liquid part of blood called?

6. List the five types of white blood cells.
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____

7. Why is it important that we have white blood cells?

8. Which white blood cells signal the other cells to attack?

9. Which white blood cells are immediately dispatched to fight infection; they are the largest of the white blood cells?

10. Which white blood cells prevent blood clots from forming too quickly?

11. Which white blood cells provide our main source of 'immunity'?

12. Which white blood cells promote blood flow to the injured area of your body?

13. Which component of blood does NOT need to be tested for blood type before transfusing into a patient?

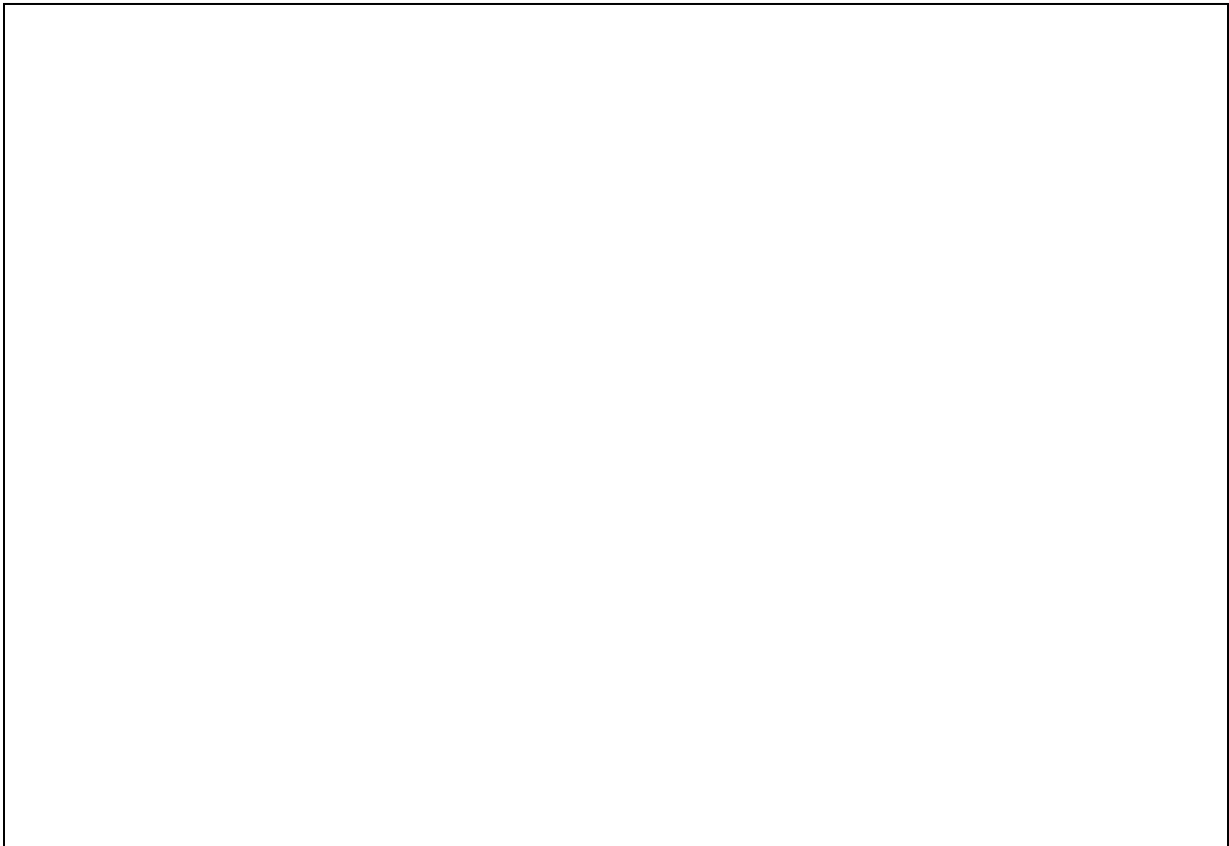
14. What is the other name for red blood cells?

15. What component of the red blood cell carries oxygen and carbon dioxide?

16. Where do red blood cells exchange oxygen for carbon dioxide?

Art Project: 1. Draw a picture that demonstrates all of the components of blood. 2. Then, draw two red blood cells side by side. The first should be a normal red blood cell and the second a sickled red blood cell. Label every cell in each drawing.

Draw all of the components of blood in the box below:



Draw normal red blood cells on the left and sickled red blood cells on the right:

