Investigation 3.4B1	
Blood Worksheet, page	1

Dr:		
P:	Date:	

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

Sti	ons.		
1.	What a	are the three major components of blood?	
	a.		
	C.		
2.	What o	lo we call the process by which we stop blee	ding when we get a cut?
3.	Which	component of blood contains clotting factors	?
4.	What is	s the name of the disease where clotting fact	ors are absent?
5.	What is	s the liquid part of blood called?	
6.	List the	e five types of white blood cells.	
	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.		white blood cells are immediately dispatched to fight infection; they are gest 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.		component of blood does NOT need to be tested for blood type before using into a patient?
14.	What i	s the other name for red blood cells?
15.	What o	component of the red blood cell carries oxygen and carbon dioxide?
16.	Where	e do red blood cells exchange oxygen for carbon dioxide?

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17. About what percent of your blood is made up of platelets and white blood cells?%
18. In which genetic disease are the red blood cells misshaped such that it is difficution for them to carry oxygen?
19. Write a paragraph about Sickle Cell Anemia. Research information on the internet and provide evidence from your resources to back up your statements.

Blood Worksheet, page 4
Art Project: 1. Draw a picture that demonstrates all of the components of blood. 2. Then, draws 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:

Dr:_____

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