



Blood and the Body's Defenses

1.	Have the Microscopic Life Hono	r.		
2.	Name the two major constituents of blood. What is the percentage of each in normal blood.			
	Constituents	Percentage		
	1	-		
	2			
3.	Be able to draw pictures of and indicate what each type does.	ame the 7 types of blood of	cells and	
	1	5		
	2	6		
	3	7		
	4	-		
		_		

4.	Observe some preserved human blood under a microscope. Count 100 white blood cells and draw a graph showing the number of each of the five types of white blood cells that you found.				
	Blood Cells				
	1.				
	2.				
	3.				
	4.				
	5.				
	Grap				
	J-10p				
	Whic	th type is most common?			
	Which is least common?				
5.	Do at a.	t least one of the following and report on what you observed:			
		Observe blood being drawn from someone's arm by a medical professional.			
	b.	·			
		professional. With the help of an experienced person, observe blood flowing through some capillaries (either on video tape or in a living organism (such as hamster cheek-pouch, frog skin, or goldfish tail)			
	b.	professional. With the help of an experienced person, observe blood flowing through some capillaries (either on video tape or in a living organism (such as hamster cheek-pouch, frog skin, or goldfish tail) using a microscope.			
6.	b. c. d.	professional. With the help of an experienced person, observe blood flowing through some capillaries (either on video tape or in a living organism (such as hamster cheek-pouch, frog skin, or goldfish tail) using a microscope. Visit a medical laboratory where blood tests are performed.			

		Explain why blood appears blue/green in your veins but if you cut your-self, the blood that comes out is bright red.			
		Explain why a lack of iron in your diet might make you have yellowish-colored blood.			
0	7. Explain how blood clots when you are injured.				
		How does typical "First Aid" help in this process?			
0	8.	What does it mean to be a blood donor?			
		If possible, know your own blood type. What types of blood can be denoted to you?			
		What types of blood can be donated to you?			
		Which blood types cannot be donated to you?			
		Why?			

□ 9. Te		Tell two	Tell two stories in the Bible in which blood is involved.		
		Stories:	1		
			2.		
		From what you know about blood, why do you think that the Bible uses blood as a symbol of God's saving power?			
0	10.	List 10 specific health habits that can help your body stay healthy and fight off infection. Find a reference from the Spirit of Prophesy that supports each one of these.			
			Habits		References
				 	
				 	
			 	 	
	11.	Define the following terms relating to the body's defenses: immunology			
		pathogen	inflammation _		
		antibody			

	memory cells
	immunity
	vaccine
	allergy
	histamine
	antihistamine
12.	Poison Ivy and poison Oak are plants commonly encountered by active Pathfinders.
	Identify Poison Ivy and Poison Oak
	Poison Ivy
	Poison Oak
	How to avoid an allergic reaction
	Explain what to do if you get an allergic reaction to either.
13.	Make a list of as many as possible of the infectious diseases that you have had.
	Diseases

			to? Explain why or why not.				
		Disease	Why or why not?				
	14.		ds, list all the vaccines that you have or when your next vaccination should				
		Vaccines					
		Next one:					
0	15.16.	(
		How is it spread?					
		Is there a cure?					
		Why is it so devastating?					
<u> </u>	17.	Find three biblical references that I control of or spread of disease.	nave to do with cleanliness and the				
		1	3				
		2					