Name:		Date:	Period: _
	Blood Typing Internet Lens: Answer the questions below by visiting algames.nobelprize.org/educational/med	g the following website.	
. What is another term for AGGLUTIN	IATION?		
. What can happen to blood that can	have fatal consequences?		
Which award did Karl Landsteiner w	in for his blood discoveries?		
hat is blood made up of? How much blood is inside the avera	ge human body?		
Describe the components of blood:			
a. RBCs:			
c. Platelets:			
d. Plasma:			
i i	reading the blood group descriptions.		
Blood Group	Antigens on RBCs	Antibodies in your pla	sma
Group A			
Group B			
Group AB			
Group O			
h factor blood grouping system  D. Circle one: Rh is a type of antigen/  L. a. What are people called if they pe	antibody. ossess the Rh factor?		
b. If they don't have the Rh factor?	?		
2. How is it possible for an Rh- persor	n to eventually become Rh+?		
2.5	person receive Rh+ blood?	h Dh. blaad2	

14. Examine the picture: a. Can an Rh- person receive Rh+ blood? \_\_\_\_\_\_ b. Rh- blood? \_\_\_\_\_

Blood Group Notation 15. How many different blood type and Rh type combinations exist?		
Blood Typing – how do you find out to which blood group someone belongs?		
16. Summarize (in your own words) the three steps to find out which blood type a person belongs to.		
a		
b		
C		
What is happening when the blood clumps or agglutinates?		
17. Why is clumping/agglutination dangerous?		
18. a. What binds with the A antigen? b. B antigen?		
Blood transfusions – who can receive from whom?		
19. Examine the blood group chart to answer the following questions.		
a. Which blood type can be donated to anyone?		
b. Which person can receive blood from anyone?		
c. Which blood type has no antibodies in blood plasma?		
e. Which is the only blood type that can receive only 1 type of blood?		
Click through the following tutorials (you don't need to take notes - just see how to determine what type of blood someone has) <a href="https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/1.html">https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/1.html</a> <a href="https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/2.html">https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/2.html</a>		
At the top of the initial page, click on NEW GAME! Then click PLAY THE BLOOD TYPING GAME. Click PROCEED, then click on QUICK GAME- SAME PATIENTS		
Green Haired Male		
20. Start with the green haired male. Inject the needle into his arm to draw his blood. Then insert his blood into the 3 test tubes.		
Examine the results. What is the blood type of the green haired male? (Circle one) A+ A- B+ B- AB+ AB- O+ O-		
21. Which blood type can you give him (circle two)? A+ A- B+ B- AB+ AB- O+ O-		
Purple Haired Female		
22. Next, click on the purple haired female. Inject the needle into his arm to draw her blood. Then insert her blood into the 3 test		
tubes. Examine the results. What is the blood type of the purple haired female? (Circle one) A+ A- B+ B- AB+ AB- O+ O-		
23. Which blood type can you give him (circle four)? A+ A- B+ B- AB+ AB- O+ O-		
Red Haired Male		
24. Now, click the red haired male. Inject the needle into his arm to draw her blood. Then insert his blood into the 3 test tubes.  Examine the results. What is the blood type of the red haired male? (Circle one)A+ A- B+ B- AB+ AB- O+ O-		
25. Which blood type can you give her (circle one)?A+ A- B+ B- AB+ AB- O+ O-		
Results: 26. What were your results? out of 5 blood drops.		