

Name: _____ Date: _____ Block: _____

BIOLOGY | *Online Human Blood Type Simulation*

Directions:

1. Open the internet on the computer (Firefox, Safari, or Explorer)
2. Go To: http://nobelprize.org/educational_games/medicine/landsteiner/
3. Click on the Reading section: "Blood groups, Blood Typing and Blood Transfusions"
4. Read and Answer the Pre-lab Questions below.
5. Click the "Back" button at the top to go back to the homepage.
6. Click on "Play" in the picture to begin the blood type game.
7. Then click on "Skip intro" (unless you want to watch it)
8. Fill-in the chart for each patient.

Pre-lab Questions:

1. Who was the person who discovered the human blood types?
2. What is agglutination?
3. An adult human has how many liters of blood?
4. What are the four main things that make up human blood?
5. Where are antigens located in the blood?
6. Where are antibodies located in the blood?
7. According to the ABO blood group system, what are the four main blood types?
8. Who can a person with Rh⁺ blood give to?

9. What two things can happen when agglutination does occur in a person?

10. What blood group is the universal donor?

11. What blood group is the universal recipient?

Patient	Patients Blood Type	What blood can the patient receive as a transfusion successfully?
Old man		
Girl		
Punk Rocker		