

Use the sites in the Blood Basics section on the Forensic Science page of the Kid Zone at <http://sciencespot.net/>.

Site #1: Introduction to Blood

1. Who discovered blood groups? When? _____
2. How much blood does the average adult have inside his/her body? _____
3. What are the four components of blood?
 - _____ blood cells – Contain hemoglobin, carries oxygen to cells and removes wastes
 - _____ blood cells – Helps our bodies fight infection
 - _____ - Liquid that makes up 55% of blood; contains salts and proteins
 - _____ - Helps blood clot
4. What causes the differences between human blood groups? Explain. _____

5. Complete the chart based on the information provided on the webpage/.

Blood Type	Antigens on Red Blood Cells	Antibodies in Plasma
A		
B		
AB		
O		

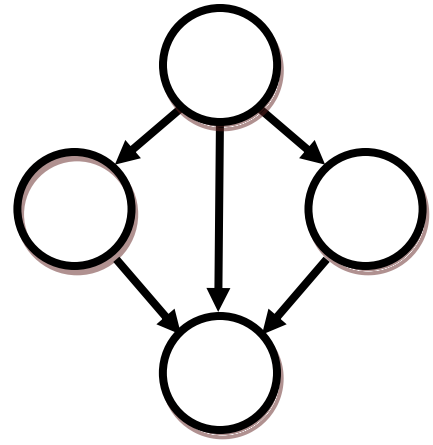
6. What is the Rh factor? Explain. _____

7. Complete this statement: A person with Rh + blood may receive blood that is ____ or _____, while a person with Rh - blood can only receive _____ blood.
8. What happens if a person with A⁺ blood receives B⁺ blood? _____

9. Complete the diagram to show how blood can be donated and then answer the questions.

What blood type is known as the "Universal Donor"? Type _____

What blood type is known as the "Universal Recipient"? Type _____



Site #2: Blood Typing Game (New Version)

Click the link for the Blood Typing Game. Use your notes and what you learned about blood transfusions to complete the game.

Patient #1 Description: _____
Blood Type: _____
Blood Received: _____

Patient #2 Description: _____
Blood Type: _____
Blood Received: _____

Patient #3 Description: _____
Blood Type: _____
Blood Received: _____