**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.

<table>
<thead>
<tr>
<th>Blood Type</th>
<th>Antigens on Red Blood Cells</th>
<th>Antibodies in Plasma</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: _____________________________________________