Shared Materials:

4 Unknown Simulated Blood Samples
   1. Mr. Smith
   2. Ms. Jones
   3. Mr. Green
   4. Ms. Brown

Anti-A Simulated Typing Serum
Anti-B Simulated Typing Serum
Anti-Rh Simulated Typing Serum

Procedure:

Each team will determine the blood type of each of the four unknown blood samples.

1. Pre-label each of your four blood typing slides as follows:
   
   Slide #1: Mr. Smith
   Slide #2: Ms. Jones
   Slide #3: Mr. Green
   Slide #4: Ms. Brown

2. Place 3-4 drops of Mr. Smith’s blood in each of the A, B and Rh₀ wells of Slide #1.
3. Place 3-4 drops of Ms. Jones’s blood in each of the A, B and Rh₀ wells of Slide #2.
4. Place 3-4 drops of Mr. Green’s blood in each of the A, B and Rh₀ wells of Slide #3.
5. Place 3-4 drops of Ms. Brown’s blood in each of the A, B and Rh₀ wells of Slide #4.
6. Add 3-4 drops of the simulated anti-A serum in each A well on the four slides.
7. Add 3-4 drops of the simulated anti-B serum in each B well on the four slides.
8. Add 3-4 drops of the simulated anti-Rh₀ serum in each Rh₀ well on the four slides.
9. Use separate toothpicks to stir each sample of serum and blood. Record your observations and results in the table below.

### DATA TABLE 1
Agglutination Reactions

<table>
<thead>
<tr>
<th></th>
<th>Anti-A Serum</th>
<th>Anti-B Serum</th>
<th>Anti-Rh Serum</th>
<th>Blood Type</th>
<th>Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slide #1: Mr. Smith</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slide #2: Ms. Jones</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slide #3: Mr. Green</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slide #4: Ms. Brown</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** A positive test is indicated by a strong agglutination reaction. See Table 2 for aid in interpreting the test results.