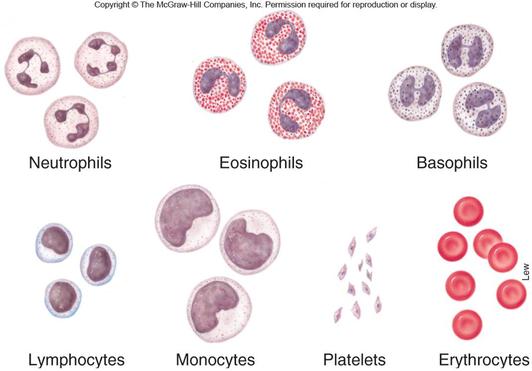
**Blood Typing Scenario:**

**Using Argumentative Claims in Science**

**DO NOT WRITE ON THIS SHEET**



DIRECTIONS—Listen to the story your teacher tells you and follow their instructions. Copy and answer the questions below and copy the table on the back into your lab notebook, where you will do all your writing.

1. Define in your own words what the term “**Reasoning From Evidence in Science**” means…

2. What are the two proteins on the surface of red blood cells?

3. What are the three letters representing the presence or absence of these two proteins?

4. What are the 4 blood types from these two proteins (***phenotypes***)?

5. Create a Blood Donor-Blood Receiver data table showing all 16 possible combinations of the 4 blood types and have your instructor approve it before beginning the lab.

6. BONUS; What are the 6 ***genotypes*** resulting in these 4 phenotypes (from Ch. 5, in your notes, using the letter symbols “I” and “i”)?

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | ***your team’s Problem statement;*** |  |  | | --- | | ***your team’s research question;*** |  |  | | --- | | ***Your team’s tentative argumentative claim;*** |  |  |  |  | | --- | --- | --- | | ***your individual evidence from experimentation;*** |  | ***your justification of the evidence (how do you personally know it to be true);*** |  |  | | --- | | ***Notes from round-robin argumenation session;*** |  |  | | --- | | ***notes from reflective discussion with your team;*** |  |  | | --- | | ***final written argument justifying or rejecting your original claim above (paragraph);*** | |