

Investigation 3.4B2
Blood Typing Activity

Dr. _____

P:___ Date:_____

Blood Typing Game

Directions:

1. Open your web browser and find this web site:
<https://www.nobelprize.org/educational/medicine/bloodtypinggame/>
2. Click on "Play the Blood Typing Game"
3. Click on "Proceed"
4. Click on either "Quick Game" option
5. Select "Main Menu" (located in upper right of screen)
6. Use the Tutorials to learn about blood transfusions and answer the questions below.
7. Play the game to test your knowledge about blood transfusions. If your patient has a poor result, perhaps you should consider reviewing the tutorial material before playing again.

Answer the following questions related to your participation in the game:

1. Did you understand before playing this game the importance of matching the blood types of the donor and recipient of the blood transfusion? Yes No
2. In what year and by whom were human blood types discovered?

Year:_____ Name: _____

3. In what year and by whom were Rh antibodies discovered?

Year:_____ Name: _____

4. List the blood types: _____

5. List the Rh factors: _____

6. List the four basic components of blood:

- a. _____
- b. _____
- c. _____
- d. _____

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7. Which blood type is considered the 'universal donor'? _____

8. Which blood type is considered the 'universal recipient'? _____

9. Describe the significance of 'agglutination' if it occurs when testing for blood type.

10. Describe what can happen should a patient be given a transfusion containing the wrong blood type. (from tutorial #3)

11. Describe how the blood transfusion process today differs from how it was performed perhaps thirty years ago. (from tutorial #3)
