

Article-Based Observation: Q

These questions are based on the *Science News (SN)* article "[Transplant tolerance](#)." As you read the article, determine where the article gives information about the experimental treatment methods that might reduce transplant rejection: (A) mixed chimeric or blended immune system, (B) facilitator cells, (C) regulatory T cells, (D) apoptotic cells and (E) stem cell–mobilizing drugs. Check in with your teacher to determine which experimental treatment method you should focus on when answering the questions.

1. What is the central idea of the article?

2. What patient story is featured in the article?

3. How common are organ transplants in the United States?

Based on the information in the article, answer the following questions about one experimental treatment method that researchers are testing to see if it could reduce transplant rejection without having to use immune-suppressing drugs. The potential treatments include: (A) mixed chimeric or blended immune system, (B) facilitator cells, (C) regulatory T cells, (D) apoptotic cells or (E) stem cell–mobilizing drugs.

4. What is the mechanism for the experimental treatment method?

5. How does the treatment method help prevent transplant rejection?

6. What details does the article provide about the history of the treatment method or researchers that are currently working on the method?

7. What have scientists achieved with the experimental treatment method?

8. What are some disadvantages or dangers of the experimental treatment method?

9. Are these experimental treatment methods currently being used to treat organ rejection?

10. What related work would you like to see researchers do in the future, or what work might you be able to do as a science fair project?