

### **Questions for “For heart surgery, a glue replaces needle and thread”**

1. Why do you think sewing a patch onto a child’s heart is difficult and risky?
2. What is the replacement for needle and thread that Dr. del Nido and medical researchers have developed?
3. Briefly describe the surgical glue described in the article.
4. What are the challenges that have prevented adhesives from being used in hospitals?
5. What is the name of the new adhesive developed for heart surgery?
6. Briefly describe how the adhesive was developed and how it is used.
7. How do you think Jeffrey Karp was inspired to create the new adhesive?