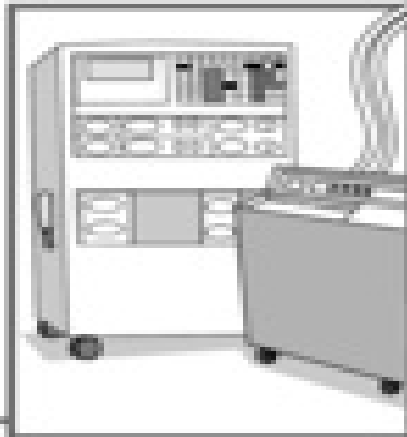


Name _____

Science 1001

A Computerized Heart?

The first artificial human heart was attached to large computers by seven feet of tubing.



The heart is a major organ in the human body. It is the supply center for sending blood through the body. Sometimes when a heart becomes sick, it must be replaced. There are not enough real human hearts available for transplants. So Dr. Robert Jarvik designed the first permanent artificial human heart. He called it the Jarvik 7. In 1982, the Jarvik 7 was implanted in a human patient for the first time. The Jarvik 7 was attached to Barney Clark's circulatory system. Seven feet of tubing ran from Barney's heart, through his body, and connected to large computers in his room. With these computers, Barney's doctors could control his heart rate. Even though his artificial heart was still running well, Barney passed away 112 days later. Barney Clark and Dr. Robert Jarvik helped pave the way for future heart transplant patients.

Use the passage to find a word for each definition. Write the word in the blank.

1. _____: one of the major organs in the human body
2. _____: to move from one place to another
3. _____: man-made, not made by nature
4. _____: the first permanent artificial human heart
5. _____: to place in living tissue
6. _____: a system of the body that includes blood, blood vessels, and the heart
7. _____: a series or system of tubes
8. _____: designed to last for a long period of time
9. _____: a part of the body made up of tissues that performs a specific job
10. _____: someone in need of medical help