**Final Test Answers**

“Medical Technology: Saving Lives with Robotics”

**Be sure to use your own words when you answer each of the questions. Don’t copy from the text.**

**Main Idea:**

1. What is the main idea of the article? (2 points)

Robotics is very helpful in saving people’s lives. It has a lot of benefits and in future may be replacing traditional surgeons.

**Looking for Details:**

1. What are the differences between traditional surgery and robotic surgery? List at least three of the differences that were discussed in the article. (3 points)
2. Number of people needed in the operation room.
3. The length of incision (less traumatic on patients).
4. The duration of operation.

Which of the differences do you think are the most important? Why? (2 points)

Different answers are possible.

1. According to the reading, what might change “even further in the future”? (1 point)

The surgeon may not have to be in the operation room at all.

1. According to the article, why are surgeons so exhausted when they are finished with a surgery? (1 point)

It takes a long time to perfume an operation.

1. According to the article, what is the da Vinci system? (1 point)

The newest robotic surgery.

1. According to the article, why did doctors refuse to operate on Michael Troy? (2 points)

They refused to operate on him because his cancer was so sever.

7. According to the article, which kind of surgery helped Michael Troy? Why? (2 points)

Robotic surgery helped him. The doctor was able to make 4 small incisions and save the patient’s kidney.

1. According to the article, what will be the beginning and final price (*cost*) of the robotic surgeons? Why? Do you think this information is correct? (2 points)

Right now it is very expensive, but later on the price is predicted to be affordable.

**Making Inferences and Drawing Conclusions:**

1. What can you infer about Michael’s health condition from this line: “*The news was devastating?*  Give information from the article to support your answer. (2 points)

He had a severe form of cancer.

1. What can you infer about Michael’s feelings about his operation from lines 36-37? What helped you to understand how he felt? (4 points)

He was skeptical. He did not know what to expect. He did not believe the doctors.

1. Why are the incisions smaller with a robot surgeon? (4 points)

Robotic hands are capable of making very small incisions.

**Opinion Questions:**

1. According to the article, robotic surgery would allow surgeons to perform operations on patients miles away. Do you think it is a good idea? Why or why not? Support your answer. (3 points)

Answers may vary.

12.Michael had surgery for his kidney cancer. What other kinds of operations do you think will be possible with robotic surgery? Why? (3 points)

Answers may vary.

13.Robots are used for some surgeries in the field of medicine. What other uses might there be for robotics in other fields? Support your answer. (3 points)

Answers may vary.

**Vocabulary Questions:**

14. Read lines 39-40. What does **“*incision*”** mean? (1 point)

An opening

Use **“*incision*”** in a sentence of your own. (1 point)

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15. Read lines 15-17. What does **“*exhausted*”** mean? (1 point)

Tired

Use **“*exhausted*”** in a sentence of your own. (1 point)

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16. Read line 36. What does **“*skeptical*”** mean? (1 point)

Not to believe

Use “***skeptical*”** in a sentence of your own. (1 point)

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17. Read lines 1-8. What word is a synonym of “***require***”? (1 point)

Need

Use ***“require”*** in a sentence of your own. (1 point)

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