Course: **ERD003**  Time: 90 min.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Out of 43 points**

**Student’s grade in %:**

**Final Test**

“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)

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**Looking for Details:**

2. 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)

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

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

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

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

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

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

8. 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)

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**Making Inferences and Drawing Conclusions:**

9. 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)

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10. 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)

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

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**Opinion Questions:**

11. 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)

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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)

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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)

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**Vocabulary Questions:**

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

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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)

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

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

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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)

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

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