The Genius of Tesla

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. What was the author's purpose for writing this biography?

Ⓐ to inform readers about Nikola Tesla's life

Ⓑ to entertain readers with Thomas Edison jokes

Ⓒ to inform readers about alternating current power

Ⓓ to persuade readers to use less electricity

2. Why did the story include the graphs comparing AC and DC electricity?

Ⓐ to demonstrate how alternating current could be sent through the air

Ⓑ to highlight the influence AC electricity had on technology

Ⓒ to describe the importance of both types of current

Ⓓ to help the reader visualize the differences between the types of current

3. How is AC electricity different from DC electricity?

Ⓐ AC electricity only works through coils.

Ⓑ AC electricity moves rapidly back and forth.

Ⓒ AC electricity moves in one direction in a straight line.

Ⓓ AC electricity only travels short distances.

4. How did the author organize the information in the biography?

Ⓐ He used each section to describe an important invention Tesla made.

Ⓑ He used sections to compare Tesla to other important scientists.

Ⓒ He used sections to describe the sequence of major events in Tesla's life.

Ⓓ He focused solely on events that would persuade readers to dislike Tesla.

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5. Tesla conducted _____, or *scientific tests or trials*.

Ⓐ concerts

Ⓑ interviews

Ⓒ surveys

Ⓓ experiments

6. What had to happen before AC electricity could travel through the air?

Ⓐ The current had to travel through a coil.

Ⓑ The current had to come from a lightning bolt.

Ⓒ The current had to be stored in a battery.

Ⓓ The current had to move in a direct flow.

7. What did the word **inventions** mean in the story?

Ⓐ documents

Ⓑ new devices

Ⓒ forces

Ⓓ old devices

8. What major event happened after the AC generators were used to power the World's Fair in Chicago?

Ⓐ Tesla was born in 1856.

Ⓑ Tesla worked for Edison.

Ⓒ Tesla built a special coil.

Ⓓ Tesla worked with Brown.

9. What major event happened before Tesla began working with George Westinghouse?

Ⓐ Tesla worked with Westinghouse to light the World's Fair in Chicago.

Ⓑ Tesla built a special coil that produced high-voltage alternating current.

Ⓒ Tesla worked to increase the voltage of Edison's DC electric system.

Ⓓ Tesla experimented with using radio waves to send wireless signals.

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10. What was the main idea of the section "A Lasting Influence"?

Ⓐ Tesla's AC current made a big impact at the World's Fair in 1893.

Ⓑ Tesla was greatly influenced by his time with Thomas Edison.

Ⓒ Tesla's work in radio signals encouraged Marconi's experiments.

Ⓓ Tesla had a large influence on technology and the modern world.

11. Extended Response: How was the author's perspective on Marconi's accomplishment different from Tesla's opinion? Write several sentences describing the differences between the two possible interpretations.

12. Extended Response: Write three sentences to describe the effect Tesla's research and inventions had on the modern world. Then, write one or two sentences to share how his work has influenced your life.

Quick Check Answer Sheet

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Main Comprehension Skill: Sequence Events

1. Ⓐ *Author's Purpose*
2. Ⓓ *Make Inferences / Draw Conclusions*
3. Ⓑ *Compare and Contrast*
4. Ⓒ *Text Structures*
5. Ⓓ *Vocabulary*
6. Ⓐ *Sequence Events*
7. Ⓑ *Vocabulary*
8. Ⓒ *Sequence Events*
9. Ⓒ *Sequence Events*
10. Ⓓ *Main Idea and Details*
11. Answers will vary. Example: *The author made a point that Marconi was using a lot of Tesla's ideas, and the story indicates that it was unfair for Marconi to receive the credit and money while Tesla got nothing. Yet Tesla's response was that Marconi was a good man and should keep working. He acknowledged that Marconi was using his patents, but didn't seem bitter about it. The author seemed angrier than Tesla did about the unfair turn of events.*
12. Answers will vary. Example: *Tesla's work with alternating current brought electricity to the country and became the foundation for electricity in our houses. After he discovered how to send electricity through the air without wires, electricity could be used for even more purposes. Also, his work with radio waves was instrumental in the creation of the radio. Thanks to Nikola Tesla, I live in a comfortable house powered by electricity. I can listen to the radio and use wireless technology in my phone and computer, all because of early achievements Tesla made.*