

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. Tesla conducted \_\_\_\_\_, or *scientific tests or trials*.
  - Ⓐ concerts
  - Ⓑ interviews
  - Ⓒ surveys
  - Ⓓ experiments
3. The paragraphs under the heading "Meeting Mr. Edison" gave the reader information about \_\_\_\_\_.
  - Ⓐ Tesla's competition with Mr. Edison
  - Ⓑ Tesla's experiments with radio waves
  - Ⓒ Tesla's first encounter with Mr. Edison
  - Ⓓ Tesla's relationship with Westinghouse
4. What had to happen before AC current 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.

*Quick Check continued on following page*

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

5. 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.
6. What did the word **contract** mean in the story?
  - Ⓐ a painting
  - Ⓑ a formal agreement
  - Ⓒ a machine
  - Ⓓ a spoken arrangement
7. 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 current had on technology
  - Ⓒ to describe the importance of both types of current
  - Ⓓ to help the reader visualize the differences between the currents
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.

*Quick Check continued on following page*

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

9. 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.

10. Which fact supported the opinion that Tesla was the "father of radio"?

- Ⓐ Tesla found a way to increase the power of Edison's DC system.
- Ⓑ Marconi used many of Tesla's ideas to send the first radio signal.
- Ⓒ Tesla's love of inventing came from his mother, who built appliances.
- Ⓓ Westinghouse bought the rights to use Tesla's inventions.

11. **Extended Response:** Read the following two sentences from the story. *He [Edison] said bad things about Westinghouse and warned the public that alternating current was dangerous. The "City of Light" showed that AC power was better than DC power and not as dangerous as Edison had claimed.* Write several sentences exploring the relationship between these two sentences and their importance in the biography.

12. **Extended Response:** Write three sentences that 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

## The Genius of Tesla

Main Comprehension Skill: Sequence Events

1. Ⓐ Author's Purpose
2. Ⓓ Vocabulary
3. Ⓒ Main Idea and Details
4. Ⓐ Sequence Events
5. Ⓑ Compare and Contrast
6. Ⓑ Vocabulary
7. Ⓓ Make Inferences / Draw Conclusions
8. Ⓒ Sequence Events
9. Ⓓ Main Idea and Details
10. Ⓑ Fact or Opinion
11. Answers will vary. Example: *These sentences offer two different ideas about AC current, one an opinion and one a fact revealed by demonstration. Edison's opinion was born out of his anger that AC current was taking money away from him and was meant to persuade people not to buy it. The facts, however, revealed that his opinion was false and that AC power had an advantage over DC power. These sentences are important because they illustrate the battle between AC and DC electricity. Also, they show that even though Edison made important contributions to electricity, he was sometimes more concerned with his success than with new technology, whereas Tesla sacrificed a lot for science.*
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.*