

Name _____ Date _____

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

1. What is the main reason Tesla created the remote-controlled boat?
 - Ⓐ He wanted to entertain the public.
 - Ⓑ He wanted to invent a new kind of toy.
 - Ⓒ He wanted the technology to be used by the military.
 - Ⓓ He wanted people to buy his remote-controlled boat.
2. The book is mostly about _____.
 - Ⓐ how drones will help businesses in the future
 - Ⓑ the history, science, and future of remote-controlled technology
 - Ⓒ how to build a remote-controlled vehicle
 - Ⓓ how to use radio technology to control machines
3. Which sentence from the book includes an opinion?
 - Ⓐ Radio waves range from longer than a football field to about the size of a person.
 - Ⓑ Most RC machines aren't nearly as fast as Herbrich's jet plane, but they are every bit as fun.
 - Ⓒ Transistors use metals and semiconductors, rather than filaments in a vacuum, to make electric currents stronger.
 - Ⓓ Some RC cars now use computer networking technology for communication.
4. A _____ of a U.S. Navy plane was used in World War II and the Korean War.
 - Ⓐ drone
 - Ⓑ miniaturization
 - Ⓒ receiver
 - Ⓓ replica

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5. How are a receiver and a transmitter similar?
 - Ⓐ Both can be used only with robots.
 - Ⓑ Both can be used only by small machinery.
 - Ⓒ Both are powered by batteries.
 - Ⓓ Both can be used only with large machinery.
6. What is the author's purpose for writing *Fun by Remote Control*?
 - Ⓐ to inform the reader about the history, science, and future of RC technology
 - Ⓑ to convince the reader to take up RC racing as a hobby
 - Ⓒ to inform the reader about the life and inventions of Nikola Tesla
 - Ⓓ to entertain the reader with stories about beating world speed records
7. What effect did Nikola Tesla have on the world of remote-controlled machines?
 - Ⓐ He came up with the official race-car sport.
 - Ⓑ He introduced RC machines to the world, resulting in both a hobby and a sport.
 - Ⓒ He invented the idea of RC off-road vehicles, causing sales to increase drastically.
 - Ⓓ He helped to create the drones used in the 2014 Winter Olympics.
8. Which of the following details supports the idea that RC technology is an important part of our lives?
 - Ⓐ RC pilots can build their own planes.
 - Ⓑ Some people love to race their RC cars.
 - Ⓒ TV crews used drones to cover the 2014 Winter Olympics.
 - Ⓓ Niels Herbrich broke the world speed record with his RC jet.

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9. Which detail supports the idea that RC technology will continue to be used in the future?

- Ⓐ Some companies will use drones to deliver packages.
- Ⓑ The first RC cars were sold in the mid-1960s.
- Ⓒ Many RC pilots love to fly replicas of planes from World War I and World War II.
- Ⓓ Today, pilots can buy Almost-Ready-to-Fly planes.

10. A transmitter is _____.

- Ⓐ the process of making something very small
- Ⓑ a copy or replica of something
- Ⓒ a piece of equipment connected to the wheel of a vehicle
- Ⓓ a device that sends out electromagnetic signals

11. **Extended Response:** What is the author's point of view about remote-controlled machines and the way they have advanced in technology? Use details from the text to support your answer.

12. **Extended Response:** Describe the impact remote-controlled technology has made on people's daily lives. How might life be different today without it? How might life be different in the future because of it?

Quick Check Answer Sheet**Fun by Remote Control***Main Comprehension Skill: Main Idea and Details*

1. Ⓒ *Cause and Effect*
2. Ⓑ *Main Idea and Details*
3. Ⓑ *Fact or Opinion*
4. Ⓓ *Vocabulary*
5. Ⓒ *Compare and Contrast*
6. Ⓐ *Author's Purpose*
7. Ⓑ *Cause and Effect*
8. Ⓒ *Main Idea and Details*
9. Ⓐ *Main Idea and Details*
10. Ⓓ *Vocabulary*
11. Answers will vary, but students should mention that the author seems to enjoy and support RC technology. Students may reference the title of the book as evidence that the author believes RC technology is a source of fun and entertainment. Answers may mention that the author also believes that RC technology is helpful, as is shown in the final section of the book.
12. Students should mention details such as hobbies like RC racing and RC flying. Students may also include the use of drones to carry cameras, monitor things, deliver items, and so on.