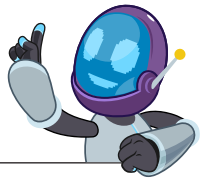
Grade 5+ • Lexile 1130L

Name _____ Date _____



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

1. What was Nikola Tesla's great idea that he conceived as a young man?

Ⓐ to entertain the public with his magic

Ⓑ to show people how smart he was in mathematics

Ⓒ to create a radio-control machine

Ⓓ to redesign the steamboat

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

Ⓓ breaking the world speed record with a remote-controlled jet

3. Which sentence from the book includes an opinion?

Ⓐ Radio waves range from longer than a football field to about the length of a bicycle.

Ⓑ While planes are challenging to fly, helicopters with a single rotor on the top of the fuselage can be even more complicated to handle.

Ⓒ Many people build hobby-grade RC cars from kits that come with all the parts boxed together.

Ⓓ Quadrocopters, also known as quadcopters, have four spinning blades, usually at the corners of the vehicle and can fly in all directions.

4. A **transmitter** is _____.

Ⓐ a demonstration using levers, gears, springs, and motors

Ⓑ a copy or replica of something

Ⓒ a piece of equipment connected to the wheel of a vehicle

Ⓓ a device that sends out electromagnetic signals

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5. How are the remote-controlled cars of today different from the ones from the mid-1960s?

Ⓐ You can race them against other remote-control cars.

Ⓑ They are made from more sturdy material.

Ⓒ They are smaller, are more powerful, and can use a high-performance fuel.

Ⓓ You can trade or sell them for other RC vehicles.

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 create the drones used in newscasting.

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 use drones to cover athletic and entertainment events.

Ⓓ Niels Herbrich broke the world speed record with his RC jet.

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9. Which detail supports the idea that off-road vehicles are popular?

Ⓐ Many RC cars come with large tires and heavy-duty shock absorbers.

Ⓑ Many specialty units are available only for a limited time and become collector's editions.

Ⓒ Nitro-powered models run faster and longer than models that run on batteries.

Ⓓ Serious RC drivers buy "hobby-grade" cars that can cost several hundred dollars.

10. A **transistor** is _____.

Ⓐ a demonstration using levers, gears, springs, and motors

Ⓑ a device that sends out electromagnetic signals

Ⓒ a piece of equipment connected to the wheel of a vehicle

Ⓓ a small electronic device that controls the flow of electricity in electronic items

11. Extended Response: Decide whether the author's point of view about remote-controlled technology is favorable or not. Use details and examples from the text to support your answer.

12. Extended Response: Compare the impact remote-controlled technology has made on people's daily lives to how life might be different today without it. Predict how life might be in the future with remote-controlled machines.

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Comprehension Quiz Answer Sheet

Fun by Remote Control

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1. (C) Cause and Effect
2. (B) Main Idea and Details
3. (B) Fact or Opinion
4. (D) Vocabulary
5. (C) Compare and Contrast
6. (A) Author's Purpose
7. (B) Cause and Effect
8. (C) Main Idea and Details
9. (A) Main Idea and Details
10. (D) 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. Answer may include 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.

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