

Name _____ Date _____

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

1. Why did the author choose the title "Three Brains in One" for the second section?
 - Ⓐ The brain has three different functions.
 - Ⓑ The author compares three different brains.
 - Ⓒ There are three main parts of the brain.
 - Ⓓ There are three brain hemispheres.
2. How is the brain smarter than a computer?
 - Ⓐ The brain remembers information more precisely.
 - Ⓑ The brain learns and adapts to changes better.
 - Ⓒ The brain can be rebooted if it overloads.
 - Ⓓ The brain can be upgraded to increase memory and storage.
3. Read this sentence from the text: *Your brain stem keeps your breathing, digestion, heartbeat, and other **autonomic** body processes running smoothly.* What does the word **autonomic** mean?
 - Ⓐ an action, sound, or object used to send a message
 - Ⓑ rounded or curved sections of a body or organ
 - Ⓒ muscle movement controlled by the nervous system
 - Ⓓ involuntary or unconscious process
4. Readers can use the diagram on page 9 to _____.
 - Ⓐ see the two hemispheres of the brain
 - Ⓑ understand the function of the brain stem
 - Ⓒ understand how an fMRI works
 - Ⓓ infer why Phineas Gage's personality changed

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5. What happened after Phineas Gage's accident in 1848?
 - Ⓐ He died from the injury.
 - Ⓑ He continued living just as he had before his injury.
 - Ⓒ His eyesight became stronger.
 - Ⓓ Scientists started to understand brain region functions.
6. Which of the following is a detail from the section "Studying the Brain"?
 - Ⓐ Puzzles and games help create new neural connections in the brain.
 - Ⓑ Scientists study healthy brains to better understand brain function.
 - Ⓒ The cerebellum works to coordinate muscle movements.
 - Ⓓ Dancing is good for your brain and helps form new neural connections.
7. Which of the following is not a way to keep your brain in top condition?
 - Ⓐ get mental exercise
 - Ⓑ get physical exercise
 - Ⓒ get plenty of sleep
 - Ⓓ eat plenty of sugar
8. Why does the author call the brain stem the *lizard brain*?
 - Ⓐ The brain stem does all the same things a lizard's brain stem does.
 - Ⓑ It is shaped like a lizard.
 - Ⓒ It is named after a scientist named Lizard.
 - Ⓓ It sometimes makes a person move like a lizard.
9. What are **neurons**?
 - Ⓐ points through which electricity flows
 - Ⓑ nerve cells that carry information
 - Ⓒ pictures taken of the brain
 - Ⓓ rounded or curved sections of the body

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10. What is the author's purpose for the section "Maintain Your Brain"?
- Ⓐ to entertain the reader with a shocking story about Phineas Gage
 - Ⓑ to inform the reader about the three parts of the brain
 - Ⓒ to persuade the reader to take care of their brain
 - Ⓓ to inform the reader about the functions of the four brain lobes
11. **Extended Response:** How does physical exercise strengthen your brain? Explain.
12. **Extended Response:** What are the pros and cons of scientists being able to control other people's brains?

Quick Check Answer Sheet

The Amazing Brain

Main Comprehension Skill: Main Idea and Details

1. Ⓒ *Main Idea and Details*
2. Ⓑ *Compare and Contrast*
3. Ⓓ *Vocabulary*
4. Ⓓ *Make Inferences / Draw Conclusions*
5. Ⓓ *Sequence Events*
6. Ⓑ *Main Idea and Details*
7. Ⓓ *Main Idea and Details*
8. Ⓐ *Main Idea and Details*
9. Ⓑ *Vocabulary*
10. Ⓒ *Author's Purpose*
11. Answers will vary but should include information from pages 6 and 16 of the text.
12. Answers will vary but should include information from the section "Mind Control!" from the text.