Name _____ Date _____

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

1. The author compares the computer in a robot to what part of the human body?

   Ⓐ the muscles

   Ⓑ the eyes

   Ⓒ the brain

   Ⓓ the heart

2. Robots tend to be **specialized** for the tasks they perform. What does the word **specialized** mean?

   Ⓐ made to think for themselves

   Ⓑ made to do things without a program

   Ⓒ made to give off radiation

   Ⓓ made to perform just one task

3. The author includes details about bug-bots to support what point?

   Ⓐ Insects are so complex that a robot can't act as one.

   Ⓑ Robots can be programmed to react like insects.

   Ⓒ Bug-bots are the cutest robots to have been created.

   Ⓓ Any robot can act like an insect or other animal.

4. If a robot were not programmed by humans, how many tasks could it perform?

   Ⓐ The robot could not perform any tasks.

   Ⓑ The robot could perform only one task.

   Ⓒ The robot could perform up to ten tasks.

   Ⓓ The robot could perform any task.

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5. On an assembly line, what does the sensor help the robot do?

Ⓐ locate the necessary parts

Ⓑ adjust to environmental change

Ⓒ modify the directions when necessary

Ⓓ evaluate the quality of the product

6. Why are robots better suited for doing the same task over and over again than humans?

Ⓐ Robots do not get bored.

Ⓑ Robots are very smart.

Ⓒ Robots know when to rest.

Ⓓ Robots can do only one task.

7. The robot *Opportunity* was most like a _____.

Ⓐ scientist

Ⓑ planet

Ⓒ radio signal

Ⓓ chess player

8. Which of the following is something robots can do?

Ⓐ make decisions independently

Ⓑ calculate mathematical chance

Ⓒ have an emotional reaction

Ⓓ anything that a human can do

9. Read this sentence: *Scientists are still working on creating computers and robots with real **artificial intelligence**.* What is **artificial intelligence**?

Ⓐ a small, simple program

Ⓑ a computer program that can learn, react, and make decisions like a human

Ⓒ a dangerous form of energy that can cause burns, sickness, or even death

Ⓓ an ability to do difficult physical work

Reading A-Z

Quick Check *(continued)*

Robots

Name _____ Date _____

10. How do Garry Kasparov and Deep Blue compare?

Ⓐ Garry is programmed only to play chess, while playing chess is only one of the things Deep Blue is skilled at.

Ⓑ Deep Blue is programmed only to play chess, while playing chess is only one of the things Garry is skilled at.

Ⓒ Garry has won every game of chess and is smarter than Deep Blue.

Ⓓ Deep Blue has won every game of chess and is smarter than Garry.

11. Extended Response: Why do authorities use robots to defuse bombs?

12. Extended Response: Why will much future space exploration involve robots, not people?

Quick Check Answer Sheet

Robots

Main Comprehension Skill: Make Inferences / Draw Conclusions

1. Ⓒ *Compare and Contrast*

2. Ⓓ *Vocabulary*

3. Ⓑ *Author's Purpose*

4. Ⓐ *Make Inferences / Draw Conclusions*

5. Ⓐ *Main Idea and Details*

6. Ⓐ *Make Inferences / Draw Conclusions*

7. Ⓐ *Compare and Contrast*

8. Ⓑ *Make Inferences / Draw Conclusions*

9. Ⓑ *Vocabulary*

10. Ⓑ *Compare and Contrast*

11. Answers will vary. Example: *Authorities use robots to defuse bombs because the work is very dangerous. A robot can be programmed to work slowly and precisely without becoming distracted. And just in case the bomb goes off, a robot can be replaced, but a human life cannot be replaced.*

12. Answers will vary. Example: *A robot does not have as many needs as a human. A robot does not need air to breathe, food to eat, or the company of others. A robot can be programmed to perform the same task slowly and precisely over and over without getting tired, bored, or distracted. Unlike humans, a robot can be abandoned in space once the mission is complete.*