

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

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

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|--|---|
| <p>1. What is the author's main purpose for writing this book?</p> <ul style="list-style-type: none"> <li>Ⓐ to entertain readers with a rainforest story</li> <li>Ⓑ to persuade readers to become scientists</li> <li>Ⓒ to inform readers about Biosphere 2</li> <li>Ⓓ to entertain readers with Earth jokes</li> </ul> <p>2. Which of the following words means <i>a community of living things together with their habitat</i>?</p> <ul style="list-style-type: none"> <li>Ⓐ ecosystem</li> <li>Ⓑ membrane</li> <li>Ⓒ biosphere</li> <li>Ⓓ engineer</li> </ul> | <p>3. What happened after the oxygen level kept dropping during the original experiment?</p> <ul style="list-style-type: none"> <li>Ⓐ Construction on Biosphere 2 finished in 1991.</li> <li>Ⓑ The scientists called off the experiment.</li> <li>Ⓒ The scientists started feeling exhausted.</li> <li>Ⓓ Oxygen was piped in from a big truck.</li> </ul> <p>4. Which of the following details supports the main idea of the section "The Ocean"?</p> <ul style="list-style-type: none"> <li>Ⓐ In the LEO project, scientists study landscapes.</li> <li>Ⓑ Tall trees and drooping vines grow in the rainforest biome.</li> <li>Ⓒ The ocean biome has warm salt water and fish.</li> <li>Ⓓ One hundred thousand people visit Biosphere 2 every year.</li> </ul> |
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5. What is the leading cause of climate change?
  - Ⓐ the moon
  - Ⓑ carbon dioxide
  - Ⓒ animals
  - Ⓓ sulfuric acid
6. Read this sentence from the book: *We still don't know how to **engineer** a system to give us everything we need in order to live.* On the basis of the text, what does the word **engineer** mean?
  - Ⓐ to devote time and attention to acquiring knowledge
  - Ⓑ to expect something in the future
  - Ⓒ to examine methodically and in detail
  - Ⓓ to design and build things using science
7. Which of the following details from the book is persuasive?
  - Ⓐ Air pressure holds up the Lung.
  - Ⓑ Scientists take soil samples and measure the rain.
  - Ⓒ We can't take the Earth for granted and survive.
  - Ⓓ The ocean biome has 676,000 gallons of water.
8. What is the main idea of the section "Research Now"?
  - Ⓐ Scientists at B2 now study how to live on Earth with climate change.
  - Ⓑ The rainforest biome isn't a real forest, but a lab to study environment with controlled factors.
  - Ⓒ Planet Earth is also known as Biosphere 1.
  - Ⓓ The ceiling of the Lung is actually a membrane, like a big circus tent without poles to hold it up.

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9. The photographs help readers understand \_\_\_\_\_.  
 Ⓐ the future plans for space travel  
 Ⓑ the layout and design of Biosphere 2  
 Ⓒ the effects of global warming  
 Ⓓ the construction process of Biosphere 2
10. Which of the following facts supports the opinion that Biosphere 2 is great, but nothing beats the Earth?  
 Ⓐ Biosphere 2 has 7.2 million cubic feet of glass and 6,500 windows.  
 Ⓑ The Earth provides natural services that Biosphere 2 can't match.  
 Ⓒ Biosphere 2 has a rainforest and an ocean biome.  
 Ⓓ The Earth's climate change is now being studied at Biosphere 2.

11. **Extended Response:** Why did the author write this book in first-person point of view? What would be the effect of changing the book to the third-person point of view?
12. **Extended Response:** How did the author organize the text to be reader friendly? Would you have organized the book in a different way? Why or why not?

## Quick Check Answer Sheet The University of Arizona College of Science Biosphere 2

Main Comprehension Skill: Author's Purpose

1. Ⓒ Author's Purpose
2. Ⓐ Vocabulary
3. Ⓓ Sequence Events
4. Ⓒ Main Idea and Details
5. Ⓑ Cause and Effect
6. Ⓓ Vocabulary
7. Ⓒ Author's Purpose
8. Ⓐ Main Idea and Details
9. Ⓑ Make Inferences / Draw Conclusions
10. Ⓑ Fact or Opinion
11. Answers will vary but should provide reasoning on why the author used the first-person point of view. Possible answers include: *it draws the readers in to the book to help them learn the information, it gives students someone to relate to as if they were talking to the child, or it makes the information feel kid friendly.* Answers will then describe how the book would change with a different point of view, likely becoming more formal, more scientific, and drier to read.
12. Answers will describe features that help readers easily understand the information in the book, such as short sections with titles, photographs and their captions, boldface print, and organizing information by main idea and details. Answers will then share whether the student would organize information differently, with a justification of this choice.