

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

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

1. What was the author's purpose for writing this book?
  - Ⓐ to inform readers about the pros and cons of hybrid animals
  - Ⓑ to entertain readers with stories about hybrid animals
  - Ⓒ to inform readers about the dangers of hybrid animals
  - Ⓓ to persuade readers to purchase a hybrid animal
2. How are bison and beefalo similar?
  - Ⓐ They have shaggy fur.
  - Ⓑ They are both difficult to handle.
  - Ⓒ They both produce meat with a high fat content.
  - Ⓓ They are hardy and independent.
3. Which of the following words means *to create offspring that are similar to the original living thing*?
  - Ⓐ species
  - Ⓑ transgenic
  - Ⓒ reproduce
  - Ⓓ adapt
4. What is the main reason why polar bears and grizzly bears are interbreeding?
  - Ⓐ changes in natural ranges due to climate change
  - Ⓑ humans are interbreeding them in captivity
  - Ⓒ grizzly bears have been relocated to the Arctic
  - Ⓓ the polar bear population is too small
5. In order for two animals to create healthy offspring, they must \_\_\_\_\_.
  - Ⓐ look identical
  - Ⓑ reside in the same habitat
  - Ⓒ be closely related
  - Ⓓ live in captivity

*Quick Check continued on following page*

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6. How are mules and hinnies different?
  - Ⓐ Hinnies live longer than mules.
  - Ⓑ Mules work harder than hinnies.
  - Ⓒ Hinnies have a nicer disposition than mules.
  - Ⓓ Mules are larger and harder than hinnies.
7. The characteristics of a hybrid animal are often determined by \_\_\_\_\_.
  - Ⓐ which species was the mother
  - Ⓑ the size of the parents
  - Ⓒ the environment
  - Ⓓ how different the parents are from one another
8. The author believes that \_\_\_\_\_.
  - Ⓐ hybrid animals are a threat to the survival of at-risk species
  - Ⓑ hybrid animals are a way for species to cope with changing environments
  - Ⓒ hybrid animals will contribute greatly to the medical world
  - Ⓓ hybrid animals may be a threat to at-risk species, *and* they may be a way for species to survive changing environments.
9. Why have researchers tried to create goats that produce spider silk?
  - Ⓐ They want to see if it is possible.
  - Ⓑ They want to build giant spider webs.
  - Ⓒ They want to use spider silk for medical purposes.
  - Ⓓ They want to use the silk to make clothes.

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**10. DNA is \_\_\_\_\_.**

- Ⓐ the inability to create new life
- Ⓑ the ability to change or fit a specific environment
- Ⓒ a code that carries genetic information
- Ⓓ a way to track climate change

**11. Extended Response:** Why did scientists think that animal hybrids represented an evolutionary dead end? Is this true? Use details from the text to support your response.

**12. Extended Response:** Why do people breed hybrid animals? Cite three examples from the text to support your response.

1. Ⓐ *Author's Purpose*
2. Ⓓ *Compare and Contrast*
3. Ⓒ *Vocabulary*
4. Ⓐ *Cause and Effect*
5. Ⓒ *Make Inferences / Draw Conclusions*
6. Ⓓ *Compare and Contrast*
7. Ⓐ *Main Idea and Details*
8. Ⓓ *Author's Point of View*
9. Ⓒ *Main Idea and Details*
10. Ⓒ *Vocabulary*
11. Answers will vary but should state that hybrid animals are often sterile or poorly adapted to their environment and therefore unlikely to survive. However, reproduction among species may provide necessary traits for a hybrid to adapt and survive in a rapidly changing environment.
12. Answers will vary but should include the idea that people breed hybrid animals in order to gain the best qualities from each animal being bred. Additionally, researchers are beginning to create hybrid animals in order to have creatures that serve medical purposes.