

Name _____ Date _____

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

1. What is the main idea of this book?
 - Ⓐ You may receive a recessive gene from your father or mother.
 - Ⓑ Genetics explains much of why people, animals, and plants look the way they do.
 - Ⓒ A Punnett square can help a person to figure out how a dominant trait will behave.
 - Ⓓ Traits are passed down from parents through their genes.
2. Which of the following states an opinion?
 - Ⓐ Brown-eye genes are dominant while blue-eye genes are recessive.
 - Ⓑ No one should ever tamper with genes.
 - Ⓒ Dimples are a dominant trait.
 - Ⓓ Genes are made of smaller molecules called DNA.
3. What is the result of Mendel's experiment when he crossed a short pea plant with a tall pea plant?
 - Ⓐ A tall pea plant grew.
 - Ⓑ A short pea plant grew.
 - Ⓒ A wrinkled pea plant grew.
 - Ⓓ A pea plant did not grow.
4. Which of the following is not an acquired trait?
 - Ⓐ knowing how to swim
 - Ⓑ being able to juggle balls
 - Ⓒ having blonde hair
 - Ⓓ being able to do a cartwheel
5. What is **heredity**?
 - Ⓐ all of the people who live in the same town
 - Ⓑ all of the people who share a belief
 - Ⓒ a feature that makes a person, plant, or animal unique
 - Ⓓ the way that traits are passed down from one generation to the next

Quick Check continued on following page

Name _____ Date _____

6. How are inherited traits different from acquired traits?
- Ⓐ You can change inherited traits.
 - Ⓑ You are born with inherited traits.
 - Ⓒ You have to learn inherited traits.
 - Ⓓ Both A and C
7. What is the field of science that studies how traits are passed from one generation to the next?
- Ⓐ physics
 - Ⓑ genetics
 - Ⓒ chemistry
 - Ⓓ astronomy
8. Which is not a detail from the section "Acquired vs. Inherited Traits"?
- Ⓐ An acquired trait is something you are not born knowing how to do.
 - Ⓑ Inherited traits are passed down from parents through genes.
 - Ⓒ Genetics is helping farmers.
 - Ⓓ There are traits that come from a mixture of heredity and environment.
9. If a boy has poor nutrition but genes for a tall body, what will probably happen?
- Ⓐ He will be tall.
 - Ⓑ He will be short.
 - Ⓒ He will be very smart.
 - Ⓓ He will be very large.
10. What can be found in all cells?
- Ⓐ DNA
 - Ⓑ genes
 - Ⓒ chromosomes
 - Ⓓ all of the above

Name _____ Date _____

11. Extended Response: What is the difference between an inherited and an acquired trait?

12. Extended Response: On the basis of the information from this book, list a dominant and a recessive trait that you have inherited from your parents.

Quick Check Answer Sheet

What Makes You, You?

Main Comprehension Skill: Main Idea and Details

1. Ⓑ Main Idea and Details
2. Ⓑ Fact or Opinion
3. Ⓐ Cause and Effect
4. Ⓒ Main Idea and Details
5. Ⓓ Vocabulary
6. Ⓑ Compare and Contrast
7. Ⓑ Vocabulary
8. Ⓒ Main Idea and Details
9. Ⓑ Cause and Effect
10. Ⓓ Main Idea and Details
11. Answers will vary, but should include the following: *inherited traits are characteristics people are born with and cannot change, but acquired traits are things people can change about themselves, such as their behavior or the language they speak.*
12. Answers will vary, but could include the following: *tongue rolling, eye color, dimples, earlobes, hair color, height, or other physical characteristics.*