

Name _____ Date _____

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

1. Why did the author write this book?
 - Ⓐ to entertain readers with tree stories
 - Ⓑ to inform readers about leaves
 - Ⓒ to persuade readers to plant trees
 - Ⓓ to inform readers about the seasons
2. What causes leaves to change color?
 - Ⓐ Leaves store food for the winter because the leaves will fall off the branches.
 - Ⓑ Ice, rain, and snow cause photosynthesis, which makes the leaves change color.
 - Ⓒ Leaves stop making a green chemical, lose their green color, and other colors start to show.
 - Ⓓ People spray the leaves with special chemicals that turn the leaves different colors.
3. Which of the following details from the book is an opinion?
 - Ⓐ Leaves need sunlight for photosynthesis.
 - Ⓑ Trees drop their leaves to keep themselves safe.
 - Ⓒ Trees store food for cold winter months.
 - Ⓓ Leaves in their fall colors are beautiful.
4. Read this sentence: *The leaves **change** color in the fall.* The word **change** means to become _____.
 - Ⓐ different
 - Ⓑ green
 - Ⓒ smarter
 - Ⓓ young

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5. What is the main idea of the "Summer" section?
 - Ⓐ Photosynthesis is the way leaves make food.
 - Ⓑ Leaves stop making chlorophyll in the fall season, so they lose their green color.
 - Ⓒ Trees that drop their leaves are bare in winter.
 - Ⓓ Leaves are green in summer because they are making food and full of chlorophyll.
6. What does the picture on page 8 help readers to understand about how a leaf makes food?
 - Ⓐ It shows how a leaf changes color in the fall.
 - Ⓑ It shows the different parts of a tree.
 - Ⓒ It shows how photosynthesis works.
 - Ⓓ It shows the variety of different leaves.
7. How are deciduous trees different from evergreen trees?
 - Ⓐ Deciduous trees lose their leaves once a year.
 - Ⓑ Evergreen trees use photosynthesis to make food.
 - Ⓒ Deciduous trees have leaves and branches.
 - Ⓓ Evergreen trees lose their leaves once a year.
8. What is the effect of trees dropping their leaves before winter?
 - Ⓐ Trees must rely on their stored food to survive the cold days and nights.
 - Ⓑ Trees use photosynthesis to create new leaves to grow on the branches.
 - Ⓒ Trees have no protection against the cold and are injured by winter.
 - Ⓓ Trees take in water, sunlight, and carbon dioxide to make food.

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9. In which section would you expect to find information on the changes a tree experiences during the spring season?
 - Ⓐ "Making Food"
 - Ⓑ "Winter and Spring"
 - Ⓒ "So Many Colors"
 - Ⓓ "Summer"
10. Which of the following words means *a substance in green plants that can turn water, air, and sunlight into food*?
 - Ⓐ photosynthesis
 - Ⓑ chemical
 - Ⓒ chlorophyll
 - Ⓓ carbon dioxide
11. **Extended Response:** Write three factual details about leaves from the book, and explain how you can prove they are facts. Then, write two opinions about trees or leaves, and explain why they are opinions.

Quick Check Answer Sheet

Why Do Leaves Change Color?

Main Comprehension Skill: Cause and Effect

1. Ⓑ Author's Purpose
2. Ⓒ Cause and Effect
3. Ⓓ Fact or Opinion
4. Ⓐ Vocabulary
5. Ⓓ Main Idea and Details
6. Ⓒ Make Inferences / Draw Conclusions
7. Ⓐ Compare and Contrast
8. Ⓐ Cause and Effect
9. Ⓑ Main Idea and Details
10. Ⓒ Vocabulary
11. Answers will vary. Example: *One fact I read in the book is that trees drop their leaves before winter. Another fact I learned is that leaves change colors because they stop making food and chlorophyll in the fall. A third fact I read is that photosynthesis is the process by which sunlight and chlorophyll work together to turn water and carbon dioxide into sugar. I could prove these facts by reading other books and by observing trees in nature. One opinion I have about leaves is that they are amazing in the way they make food and change colors. Another opinion I have is that trees are prettier in the fall than in the winter. I know these are opinions because they express the way I feel, and other people may disagree.*