

Name _____ Date _____

Directions: Read each question and choose the best answer.

1. What are the basic parts of almost all plants?

- Ⓐ leaves and vegetables
- Ⓑ roots, stems, and leaves
- Ⓒ water, air, and light
- Ⓓ stems, leaves, seeds, cones, roots, flowers, and bark

2. What are the main jobs of a plant's roots?

- Ⓐ to soak up sunlight and to make food
- Ⓑ to move water through the whole plant and to help the plant reach sunlight
- Ⓒ to hold the plant in place and to soak up water and minerals
- Ⓓ all of the above



3. Read this sentence: *Plants use water, carbon dioxide, and light during **photosynthesis**.*

What does the word **photosynthesis** mean in this sentence?

- Ⓐ the process plants use to make food
- Ⓑ the process plants use to make more of themselves
- Ⓒ the process plants use to spread their seeds
- Ⓓ the process plants use to get what they need from the soil

Name _____ Date _____

4. What would most likely happen if you didn't let one of the leaves on a plant get air or light?

- Ⓐ There would be no changes to the leaf or the plant.
- Ⓑ The plant could not grow any fruit.
- Ⓒ The plant would die.
- Ⓓ The leaf would die.



5. How do most plants reproduce?

- Ⓐ They take in carbon dioxide and give off oxygen.
- Ⓑ They lay eggs that grow into new plants.
- Ⓒ They produce seeds that grow into new plants.
- Ⓓ Their flowers fall off and begin growing into a new plant.

6. When the pollen from a stamen on one flower sticks to the pistil on another flower, _____ may begin to grow.

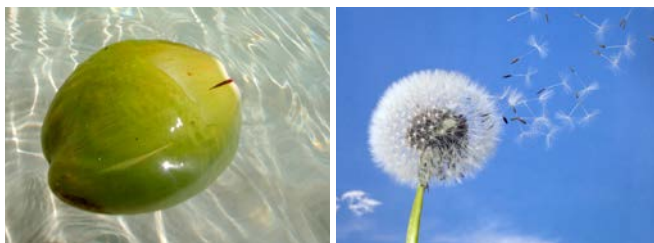
- Ⓐ another flower
- Ⓑ a seed
- Ⓒ roots
- Ⓓ a leaf



Name _____ Date _____

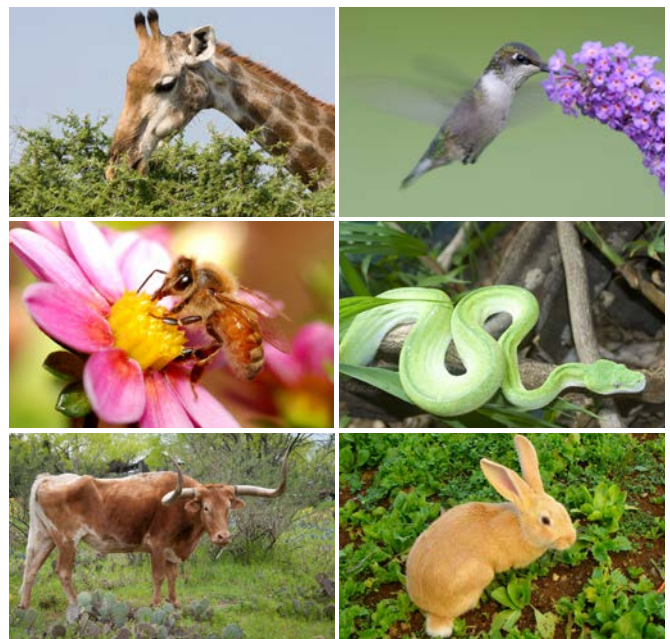
7. How might a seed travel to a new place where it can grow?

- Ⓐ It might fall into an ocean and grow on an island.
- Ⓑ A breeze might carry it down a mountain.
- Ⓒ It might stick to a dog and wind up in someone’s backyard.
- Ⓓ Any of the above could happen.



8. When we say that plants reproduce, it means that they _____.

- Ⓐ grow bigger and bigger
- Ⓑ make a new kind of plant
- Ⓒ make more of the same kind of plant
- Ⓓ make their own food



Name _____ Date _____

9. How do plants help animals survive?

- Ⓐ Plants grow quickly and give off the carbon dioxide animals need.
- Ⓑ Plants provide food and give off the oxygen animals need.
- Ⓒ Plants help animals use photosynthesis to make their own food.
- Ⓓ Plants do not help animals survive.

10. Which items are made by using only plant materials?

- Ⓐ metal bicycles, cardboard boxes, and glass mugs
- Ⓑ rubber tires, chewing gum, and sand on a playground
- Ⓒ cotton shirts, paper books, and wooden buildings
- Ⓓ chicken sandwiches, firewood, and ice cubes

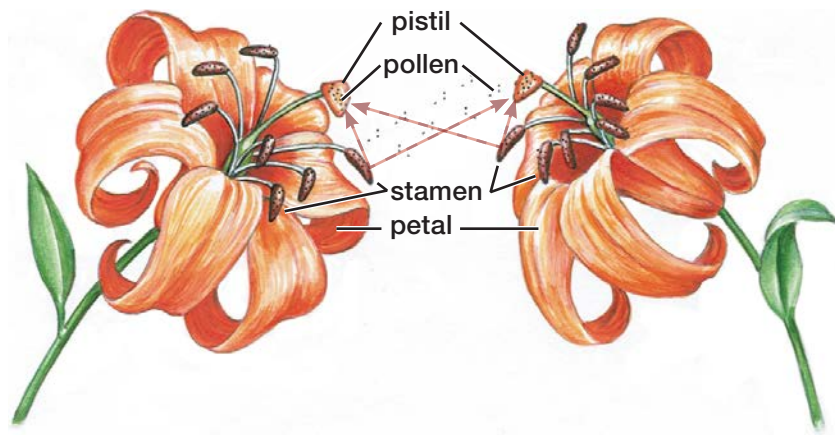
Directions: Use the diagram below to answer question 11.



11. According to this diagram, how do the chickens get energy?

- Ⓐ from the Sun
- Ⓑ by eating seeds
- Ⓒ by eating soil
- Ⓓ by giving energy to people

Name _____ Date _____

Directions: Use the diagram below to answer questions 12 and 13.

12. Which process is shown in this diagram?
- Ⓐ transpiration
 - Ⓑ fertilization
 - Ⓒ pollination
 - Ⓓ photosynthesis
13. According to the diagram, where does pollen go when it leaves a stamen?
- Ⓐ to a pistil on the same flower or another flower
 - Ⓑ to a stamen on the same flower or another flower
 - Ⓒ only to a pistil on the same flower
 - Ⓓ only to a pistil on another flower
14. **Extended Response:** You have learned that the world is full of many kinds of plants and that plants are important to people and other animals. How can you help make sure that the world will always have many kinds of healthy plants?

Book Quiz Answer Sheet

		Question Type	Nonfiction Book Page Reference	ELA Comprehension Skill
1.	Ⓑ	literal	pp. 6–8	Main Idea & Details
2.	Ⓒ	literal	pp. 6, 10	Main Idea & Details
3.	Ⓐ	vocabulary	pp. 9, 10	Vocabulary
4.	Ⓓ	inferential	pp. 6–8	Make Inferences & Draw Conclusions
5.	Ⓒ	literal	p. 11	Cause & Effect
6.	Ⓑ	inferential	p. 13	Cause & Effect
7.	Ⓓ	inferential	p. 14	Make Inferences & Draw Conclusions
8.	Ⓒ	vocabulary	p. 11	Vocabulary
9.	Ⓑ	literal	pp. 16, 22	Main Idea & Details
10.	Ⓒ	inferential	pp. 20, 21	Classify Information
11.	Ⓑ	data analysis	p. 16	Interpret Visual Devices
12.	Ⓒ	data analysis	p. 13	Vocabulary
13.	Ⓐ	data analysis	p. 13	Interpret Visual Devices

- 14. Extended Response:** Responses will vary. Students should suggest activities they could take part in that demonstrate an awareness of what plants need, including access to water, air, and light. Activities may include:
- helping to tend a garden, to water trees, or to otherwise care for existing living plants
 - planting new trees and other plants at school, in and around their home, or in their neighborhood
 - avoid breaking off branches, carving into bark, covering leaves, or otherwise damaging plants
 - helping to clean up or preserve an area so plants can grow there
 - volunteering to help remove invasive species so native species can survive
 - writing letters to officials encouraging them to protect endangered plant species, to prevent habitat destruction, or to restore damaged areas
 - working to reduce threats to plants, such as pollution, wastewater runoff, and clear-cutting of rainforests or old-growth forests