



Study Guide

Plants

Chapter

9

Directions: Write the correct term from the word bank on the line next to its definition.

binomial nomenclature

Carolus Linnaeus

cell membrane

cell wall

cellulose

chlorophyll

cuticle

green algae

nonvascular

photosynthesis

pigment

vascular

- _____ 1. botanist who proposed classifying plants using many characteristics
- _____ 2. coloring in a plant
- _____ 3. chemical compound plants make out of sugars into fibers for structure and support
- _____ 4. covering surrounds all cells and regulates the interaction between the cell and the environment
- _____ 5. probably the ancient ancestor of all land plants
- _____ 6. plants containing tubelike structures used to carry water and nutrients throughout the plant
- _____ 7. process in which light energy is used to produce glucose and oxygen
- _____ 8. plants without tubelike structures to move water and substances
- _____ 9. a waxy, protective layer secreted by cells onto stems, leaves, and flowers to slow the loss of water
- _____ 10. system of naming species using a unique two-word name
- _____ 11. green pigment used to trap light used in photosynthesis
- _____ 12. rigid structure that supports and protects plant cells

Directions: Complete the summary chart of plant adaptations for survival on land. (Hint: Refer to Figure 4 in the text for additional help.)

	Adaptation	Purpose of Adaptation
13.	cellulose	
14.	cuticle	
15.	fruits and seed cones	
16.	vascular system	

