		Date
ection 25-3 Pla	ant Adaptations (pages 643-646)
Solution Key Concepts		,
-	I to different environments?	
• How do plants obtain n	nutrients from sources other than	n photosynthesis?
• How do plants defend t	themselves from insects?	
quatic Plants (page	e 643)	
1. What adaptation do aqu	natic plants have that allows then	m to grow in mud that is
saturated with water and	d nearly devoid of oxygen?	
. How do waterlilies get of	oxygen to their roots?	
Circle the letter of each	sentence that is true about the a	adaptations of aquatic plants.
a. All aquatic plants gro	ow very slowly after germination	on.
b. In waterlilies, oxygen	en diffuses from open spaces in I	petioles into the roots.
c. The knees of mangro	ove trees bring oxygen-rich air o	down to the roots.
d. The seeds of some ac	quatic plants can float in water.	
alt-Tolerant Plants	(page 644)	
	(page 644) leaves of salt-tolerant plants ha	ve that protects them against
4. What adaptation do the		•
4. What adaptation do the	leaves of salt-tolerant plants ha	•
4. What adaptation do the	leaves of salt-tolerant plants ha	•
high salt concentration? esert Plants (page	e leaves of salt-tolerant plants hat? es 644-645)	•
high salt concentration? esert Plants (page	leaves of salt-tolerant plants ha	•
esert Plants (page 2). What are three plant add a.	es 644-645) aptations to a desert climate?	
H. What adaptation do the high salt concentration? Pesert Plants (page 5. What are three plant ada a.	eleaves of salt-tolerant plants hat? es 644-645) aptations to a desert climate?	
esert Plants (page a	es 644-645) aptations to a desert climate?	
Pesert Plants (page 5. What are three plant add a b c. What are xerophytes? 6. What are xerophytes? 6.	es 644-645) aptations to a desert climate?	

9. Why do cactuses have small leaves or no leaves at all?

Nar	ne Date
10.	What is the advantage for many desert plants that have seeds that can remain dormant for years?
	tritional Specialists (page 645) The Venus' flytrap is an example of what kind of nutritional specialist?
12.	What nutrient do carnivorous plants need to obtain from insects that they can't otherwise get from the environment?
13.	How does a Venus' flytrap obtain the nutrient it needs from an insect it catches?
14.	What common plant grows as a parasite on conifers in the western United States?
_	iphytes (page 645) What are epiphytes?
16.	Why aren't epiphytes considered to be plant parasites?
	emical Defenses (page 646) How do many plants defend themselves against insect attack?
18.	How does nicotine protect a tobacco plant from potential predators?