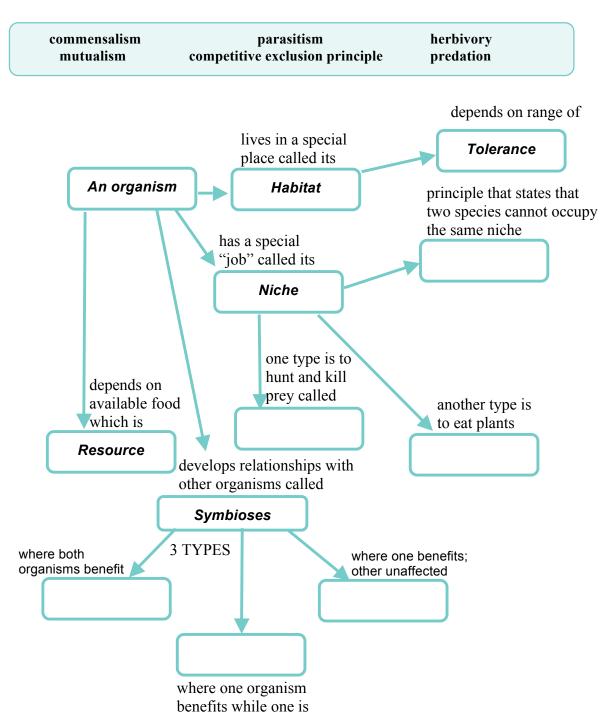
Name	Class	Date
4.2 Niches and Commu	unity Into	eractions
 The Niche Every species has its own tolerance, can grow and reproduce. A species' tolerance deter A niche consists of all the physical and biologi the way the species obtains what it needs to sur An organism's niche must contain all of the reserve is any necessity of life, such as water. 	mines its habitat, cal conditions in v rvive and reproduct sources an organism	the place where it lives. which a species lives and ce. m needs to survive. A
 Competition Competition occurs when organism Direct competition between species often result basis of the competitive exclusion principle. To occupy exactly the same niche in exactly the same competition helps to determine the number and 	ts in one species d Γhis principle state nme habitat at the s	ying out. This is the es that no two species can same time.
Predation, Herbivory, and Keystone Spinteractions help shape communities.	pecies Predator-	prey and herbivore-plant
 Predation occurs when one organism (the pred Herbivory is an interaction that occurs when an producers (such as plants). Sometimes changes in the population of a single 	n animal (the herb	ivore) feeds on
 can cause dramatic changes in the structure of a Symbioses Symbiosis occurs when two species mutualism, commensalism, or parasitism. In mutualism, both species benefit from the remarkable. In parasitism, one species benefits by living in In commensalism, one species benefits and the 	s live closely toget lation ship.	nd the other is harmed.
The Niche 1. What is a niche?		
2. Give an example of resources a squirrel might	need.	

tree, the	e second species feeds in the mid	ne same tree. One species feeds at the top of the ddle part of the tree, and the third species feeds at ies occupy the same niche? Explain.		
Compe	etition			
For Questic		ment is true. If the statement is false, change statement true.		
	4. Competition occurs w	1. Competition occurs when organisms attempt to use the same <u>resources</u> .		
	5. Competition between <u>interspecific</u> competi	members of the same species is known as tion.		
	<u> </u>	usion principle states that no two <u>organisms</u> can ame niche in exactly the same habitat at exactly		
	7. If two species of bactowill always outcomp	eria are grown in the same culture, one species ete the other.		
	8. Members of the same competing over them	species tend to <u>divide</u> resources instead of n.		
Predat	ion, Herbivory, ar	nd Keystone Species		
	tter of the correct answer on the			
9	9. A lion eating a zebra is an exa	mple of		
	A. herbivory.	•		
	B. habitat destruction.	D. a keystone species.		
10	0. A cow eating grass is an exam	<u>*</u>		
	A. herbivory.B. predation.	C. habitat destruction.D. a keystone species.		
	•	•		
1	 A keystone species is one that A. eats a mixture of plants and 			
	*	unity after a major disturbance.		
		rsity in a community to decrease.		
	D. helps to stabilize the popul	lations of other species in the community.		

Concept Map A concept map can help you organize information and show how ideas are connected.

12. As you read Lesson 2, place the terms from the box in the correct location in the concept map.



harmed

Symbioses

13. Complete the table about main classes of symbiotic relationships.

		Main Classes of Symbiotic Relationships	
	Class	Description of Relationships	
	Mutualism		
	Commensalism		
	Parasitism		
Example			
	14. a tick living on t	he body of a deer	
	15. a bee eating a flower's nectar and picking up the flower's pollen		
	16. a barnacle living on a whale's skin		
	17. a tapeworm living in a person's intestines		
	18. an aphid providi	ng food to an ant in exchange for protection	
Type of	Relationship		
A. mutual	lism	B. commensalism C. parasitism	
19. How of exam		lustrate the interdependence of organisms living in a community? Give an	