FARM AREA FOOD WEB & CHAIN:

Directions

1)	ar dr	area. The corn is the main source of food for many of the herbivores in the area. You do not have to draw pictures; you can just use the animal names and draw arrows between them.			
	0	CORN SNAKE (eats: mouse, squirrel)			
	0	CATERPILLAR (eats: corn)			
	0	DEER (eats: corn)			
	0	CROW (eats: corn, snake, mouse, caterpillar)			
	0	MOUSE (eats: corn, caterpillar) COUSAR (eats: deep mayor angle againmel)			
	0	COUGAR (eats: deer, mouse, snake, squirrel) SQUIRREL (eats: corn)			
	0	DECOMPOSERS (microorganisms)	The state of the s		
_		- Second Oberto (microorganisms)			
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2)	2) What niche do the caterpillar, squirrel & deer have in this ecosystem?				
3)	W	hat niche does the cougar have in this ecosystem? _			

4) Construct a food chain using 3 organisms from above (remember you must start with a producer!).

Ecology Review Worksheet Period: Date:

Name:Period:Date:				
Vocabulary Matching:				
1. Feeds on dead organisms				
2. Study of how living things relate to each other and to their environment				
3. Step in the passage of energy and matter through an ecosystem	A. food web			
4. Relationship between organisms in which one benefits and the other is neither harmed nor benefited	B. mutualism C. succession			
5. Relationship between organisms in which one organism benefits and the other is harmed	D. niche E. heterotroph F.			
6. Breaks down dead organisms	commensalism			
7. Simple model for showing how matter and energy move through an ecosystem	G. autotroph H. scavenger			
8. Place where an organisms spends its life	I. community			
9. The role an organism has in an ecosystem (carnivore, omnivore, etc)	J. trophic level K. decomposer			
10. Manufactures food using energy from the sun; makes their own food	L. ecology			
11. Obtains energy and nutrients from autotrophs	M. food chain			
12. Network of interconnected food chains	N. parasitism			
13. Group formed by several populations	O. habitat			
14. Relationship between organisms in which BOTH organisms benefit				
15. Orderly, natural changes that take place in the communities of an ecosystem				
Short Answer: Provide the correct answers.				
1) The total energy transfer from one trophic level to another is about%.				
) The clownfish has shelter in the sea anemone and the sea anemone gets food that the fish brings. What type of symbiosis is taking place between a clownfish and sea anemone? Why?				
3) A tree provides a habitat for lichens, allowing it to receive ample sunlight. What type of symbiosis is taking place between a tree and lichen? Why?				
) A dog is infected with heartworms that weaken the heart muscles. What type of symbiosis is taking place between a dog and heart worm? Why?				
5) Look at the following food chain: Plant → insect →small bird → hawk a. How does energy flow in the food chain?				