Ecology Webquest

Ecologists:	Period:
	Date:
Part I: Ecosystems and Nutrient Cycling	
	nple food chain and answer the questions below.
I. FOOD CHAINS	
(1) Go to and	
https://en.wikipedia.org/wiki/Foo	od_chain
http://www.enchantedlearning.com	n/subjects/foodchain/
Answer the questions below:	
1. A person is called an	because they eat meat and vegetables.
2. Food gives people and animals	·
3 are animals 4	
(2) Choose the Forest Food Chain.1. What organisms were in your	r food chain? Place them in the correct order.
2. What 5 things happen if you t	take the frog out of the food chain?
II. NUTRIENT CYCLING A. Carbon Cycle B. Go to http://www.windows.ucar.edu/to carbon cycle and fill in the blanks be	our/link=/earth/Water/co2_cycle.html, read about the below:
Name 2 places on the earth we find carbo	on:
A. Plants pull carbon (in the form of carb process called	oon dioxide) from the atmosphere to make food, through a
B. Through food chains animals geteat.	from the plants and other animals they

D. Son	hen plants and animals die and, carbon goes back into the ground. me carbon is buried deep in the ground and forms is released back into the atmospho	
	hen humans and animals exhale, they release carbon back into the air by a process called	c1 E.
Go to t	Nitrogen Cycle the website http://www.windows.ucar.edu/tour/link=/earth/Life/nitrogen_cycle.html&edu uswer the questions below:	<u>ı=mic</u>
1.	What are 2 ways nitrogen becomes useable to plants, humans and animals:	
2.	How do herbivores obtain the nitrogen they need?	
3.	How is nitrogen returned to the atmosphere?	
4.	What are two ways humans impact the nitrogen cycle:	
IV. Energy	y in Ecosystems	
	to http://www.cas.psu.edu/DOCS/WEBCOURSE/WETLAND/WET1/identify.html swer these questions.	and
	a. List the organism(s) that are producers.	
	b. List the organism(s) that are consumers.	
	c. Draw three food chains found within this food web.	
	d. How many different food chains can you find in the food web pictured?	
	e. What is missing from this food web?	