

Ecology Web Quest

Part I: Ecosystems

You will go to the following websites and answer the questions that go along with that website.

<http://www.vtaide.com/png/foodchains.htm>

1. In the following chart you will take the words and provide an example and description of each word.

Word	Example	Description
Producer		
Consumer		
Carnivore		
Herbivore		
Secondary Consumer		
Tertiary Consumer		
Decomposers		

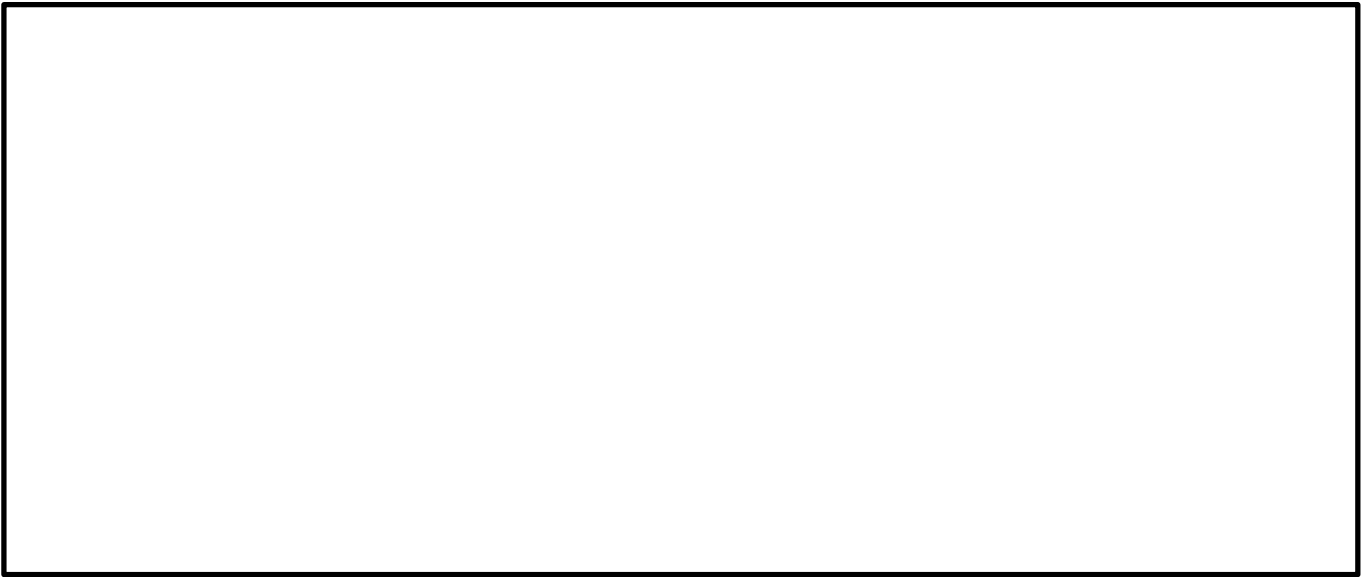
Part II. FOOD WEBS

- (1) Go to http://www.harcourtschool.com/activity/food/food_menu.html to complete all three food webs. Diagram each of the food webs below.

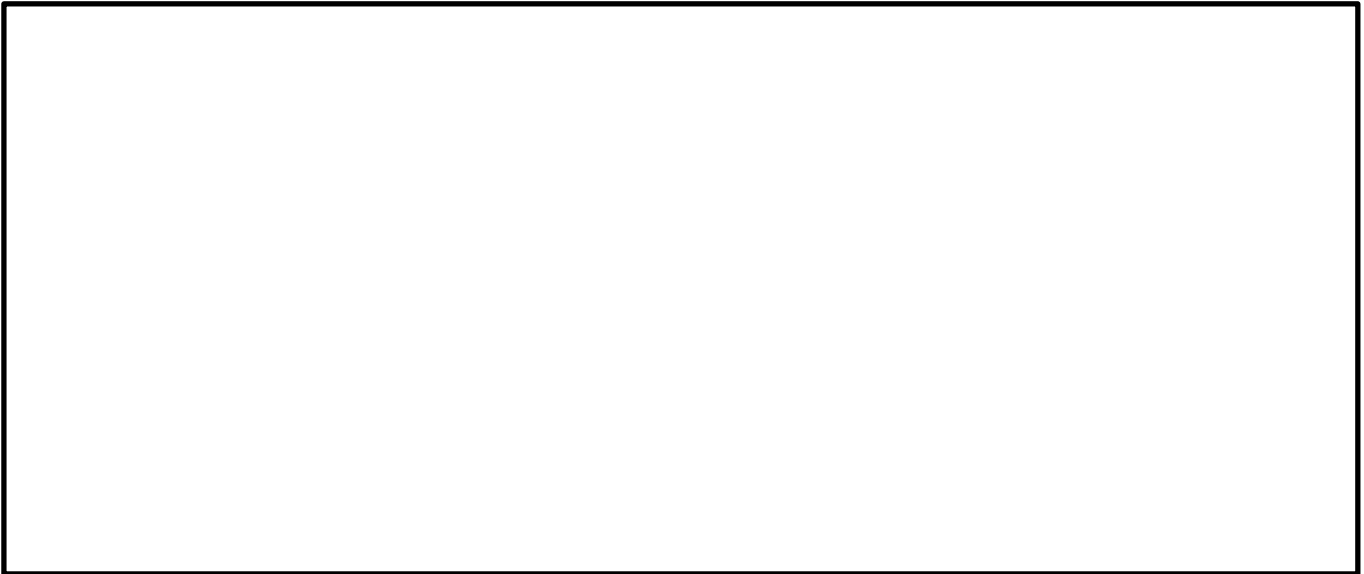
Meadow Food Web



Arctic Food Web



Pond Food Web



Consumers – are living things that need producers to be their food (animals and people)

Producers – living things which take the non living matter from the environment (plants)

Decomposers – living things which feed off of dead plants and animals (bacteria, fungi)

(2) Using the information in the table above answer the following questions about your food chain:

	Consumers	Producers	Decomposers
Meadow Food Web			
Arctic Food Web			
Pond Food Web			

Part III. POPULATION

Go to http://www.geography4kids.com/files/land_population.html and answer the following questions:

1. What is population?

2. Two things that increase a population:
 - a.

 - b.

3. Two things that decrease a population:
 - a.

 - b.

Part IV: Impact of Human Activity on Ecosystems

Choose and read about the many impacts that humans have on ecosystems from the list below:

Impact of Human Activity on Ecosystems	
Deforestation	http://www.rcfa-cfan.org/
Extinction of Species	http://www.endangeredspecie.com/
Pollution	http://tiki.oneworld.net/pollution/pollution_home.html
Human Soil Erosion	http://www.livescience.com/63-earth-movers-humans-erosion.html
Greenhouse Effect	http://www.bbc.co.uk/climate/evidence/greenhouse_effect_img.shtml

	Fact #1	Fact #2
Deforestation		
Extinction of Species		
Pollution		
Human Soil Erosion		
Greenhouse Effect		

Part VI: Biomes Around the World

(1) Go to <http://mbgnet.mobot.org/> and answer the following questions.

(2) What are the 6 Biomes of the World?

(3) What are the 3 Freshwater Ecosystems and the 3 Marine Ecosystems?

Freshwater Ecosystems	Marine Ecosystems

(4) Click on one of the six biomes and fill in the following table (continued on next page).

Biome	Location	Plants	Animals

Biome	Location	Plants	Animals

(5) Click on one of the six biomes and give 3 interesting facts for each.

Biome	Fact #1	Fact #2	Fact #3

Most of the earth is covered by the _____ biome.

The most diverse biomass is found in which two biomes _____?

Which biome supports the least amount of life _____?

Try this game and save the trees <http://www.seussville.com/games/lorax/>