

Ecology Web Quest

Name: _____

I. FOOD CHAINS

Go to http://www.ecokids.ca/pub/eco_info/topics/frogs/chain_reaction/index.cfm and click on “play the game” to begin.

Answer the questions below:

1. A person is called a _____ because they eat meat & vegetables.
2. Food gives people and animals _____.
3. _____ are animals that only eat meat.
4. _____ are animals that only eat plants.

Choose the Forest Food Chain.

1. What animals were in your food chain? Place them in the correct order.
2. What 5 things happen if you take the frog out of the food chain?

1. _____
2. _____
3. _____
4. _____
5. _____

II. FOOD WEBS

Go to http://www.harcourtschool.com/activity/food/food_menu.html and choose one of the three food webs. Put the food web together!

_____	– are living things that need producers to be their food (animals and people)
_____	– living things which take the non living matter from the environment (plants)
_____	– living things which feed off of dead plants and animals (bacteria, fungi)

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

1. Name a **consumer** in your food web _____
2. Name a **producer** in your food web _____
3. Name a **decomposer** in your food web _____

III. RELATIONSHIPS

Search the internet to complete the following:

1. List the three types of symbiotic relationships:
 - a. _____
 - b. _____
 - c. _____
2. Give an example from nature of each of these types of relationships, and explain how each fits that relationship:
 - a. _____

 - b. _____

 - c. _____

IV. 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. _____

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

Impact of Human Activity on Ecosystems	
Deforestation	Human Soil Erosion
Extinction of Species	Fires
Pollution	Greenhouse Effect

List two facts you learned about the impact you chose:

1. _____
2. _____

V. (pt 2)POPULATION:

Go to: <http://www.nhptv.org/natureworks/nwep12.htm>

- Read the paragraph about populations, then click on “limiting factors”.
- List three abiotic things that would limit a population size:
 - _____
 - _____
 - _____
- List three biotic things that would limit a population size:
 - _____
 - _____
 - _____
- How can predator-prey relationships affect population size?

VI. BIODIVERSITY

Go to: <http://www.worldwildlife.org/fun/games.cfm>

Click on the biodiversity game icon and play four rounds. Record the answer and a brief description of each round below:

- Round 1: _____
- Round 2: _____
- Round 3: _____

Now, click on the link that says 'quizzes'. Take the Biodiversity IQ test. The test doesn't have an end, but has a bunch of questions in random order. For the first 4 questions you miss, write down the correct answer below:

4. _____
5. _____
6. _____
7. _____

VI. BIOMES

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

1. What are the 6 Biomes of the World?
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____
2. What are the 3 Freshwater Ecosystems and the 3 Marine Ecosystems?
 - a. Freshwater:
 - b. Marine:
3. Click on one of the six biomes. Choose one topic from the left column.

Write 3 sentences describing this topic. Do not copy word for word!

1. _____

2. _____

3. _____
