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34T02

Assignment #4

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ECOLOGY SCAVENGER HUNT

Ecology is the branch of biology that deals with the relations of organisms to one another and to their physical surroundings. In this scavenger hunt you will explore and learn the different parts of different ecosystems. Use these different sites to guide you through your hunt. A site will be posted by each part of your assignment.

|  |  |
| --- | --- |
| Food Chains & Food Webs | <http://www.vtaide.com/png/foodchains.htm> |
| Geography 4 Kids. Pollution | <http://www.geography4kids.com/files/land_recycling.html> |
| Biomes of the world  | <http://www.mbgnet.net/> |
| Deforestation | <http://www.rcfa-cfan.org/> |
| Food Webs Interactive | <http://www.harcourtschool.com/activity/food/food_menu> |
| Extinction of Species | <http://www.ducksters.com/animals/how_animals_become_extinct.php> |

**Part 1**: Ecosystems You will go to the following website and answer the questions that go along with this chart. Make sure to give an example of each term. <http://www.vtaide.com/png/foodchains.htm>

|  |  |  |
| --- | --- | --- |
| Terms: What are... | Definition | Example |
| Producers |  |  |
| Consumers |  |  |
| Herbivores |  |  |
| Carnivores |  |  |
| Omnivores |  |  |
| Decomposers |  |  |
| Tertiary Consumers |  |  |
| Secondary Consumers |  |  |

**Part 2:** Go to <http://www.harcourtschool.com/activity/food/food_menu.html> and choose one of the three food webs. Put the food web together! (You will do this three times)

|  |
| --- |
| 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) |

After you put your food web together on the website, answer the following questions about the food web. You will repeat this activity three times.

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 3:** Impact of Human activity on Ecosystems.

Choose and read about one of many impacts that humans have on an ecosystem from the list below.

Deforestation: <http://www.rcfa-cfan.org/>

Extinction of Species: <http://www.ducksters.com/animals/how_animals_become_extinct.php>

Pollution: <http://www.geography4kids.com/files/land_recycling.html>

List two facts you learned about the impact you chose.

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answers to Scavenger Hunt

PART 1

|  |  |  |
| --- | --- | --- |
| Terms: What are... | Definition | Example |
| Producers | Living things which make their own food. | Plants |
| Consumers | Living things that need producers for food. | Animals |
| Herbivores | Animals that eat only plants. | Bunny |
| Carnivores | Animals that only eat meat. | Fox |
| Omnivores | Animals that eat both meat and plants | People |
| Decomposers | Living things which feed off of dead plants and animals. | Fungi |
| Tertiary Consumers | Highest consumer in a food web. Does not get eaten by others.  | Lion |
| Secondary Consumers | Consumer which eats producers but gets eaten by other consumers.  | Bunny |

PART 2.

1.MEADOW food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_fox\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_grass\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_fox\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_snail\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_thrush\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.ARCTIC food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Arctic Wolf\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Diatom\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Polar Bear\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_Krill\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_None\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3.POND food chain.

Name of consumer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Largemouth Bass\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Producer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Algae\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of carnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Bluegill\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Herbivore\_\_\_\_\_\_\_\_\_\_\_\_Mosquito Larva\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Omnivore\_\_\_\_\_\_\_\_\_\_\_\_\_\_Raccoon\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PART 3.

\*Answers need to be in complete sentences with proper punctuation.