

Name: _____

Date: _____

Energy in the Ecosystem Webquest

Directions: This webquest has been designed to review you on a variety of ecological concepts including trophic levels, food chains, food webs and ecological pyramids. While on your Quest, record your answers on the Answer Sheet.

1. The following link will take you to a short YouTube clip that will explain to you the difference between **autotrophs** and **heterotrophs**.

<https://www.youtube.com/watch?v=cDalQv7d2cs>

- a. Once you have watched the clip answer the questions below by filling in the missing spaces within the table

Ecological Term	Definition	Example
Autotroph		
Heterotroph		
Herbivore		
Omnivore		
Carnivore		
Decomposer		

- b. Green plants (autotrophs) get their energy through a complex process known as what? _____
- c. Autotrophs take solar energy and transform it into a sugar known as what? _____
- d. Herbivores, omnivores and carnivores are all examples of AUTOTROPHS or HETEROTROPHS (Circle One)

2. The relationships between the organisms represented by the ecological terms defined in question #1 can be represented through a **food chain**. The next link will take you to the food chain game, and remember, it's eat or be eaten'.

<http://www.sheppardsoftware.com/content/animals/kidscorner/games/foodchaingame.htm>

- a. Draw one of the **food chains** that you completed within the game.

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web apr 29 2016 vhdl was created in the 1980s to develop a high speed integrated circuit it has since become an industry standard language for describing digital systems at the structural or behavioral levels in a text based format the vhdl file can be used to manufacture a physical circuit such as a motherboard processor or memory module

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web basic logic gates esd chapter 2 figure 2 3 every vhdl design description consists of at least one entity architecture pair or one entity with multiple architectures the entity section of the hdl design is used to declare the i o ports of the circuit while the description code resides within architecture portion

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web quartus and vhdl code in this section you should learn how to implement a vhdl code for single cycle data path before we go any further let s define some of the terms that we use throughout the book entity all designs are expressed in terms of entities an entity is the most basic building block in a design