

Name _____ Date _____ Number _____

Ecosystems and Food Chains Web Quest

Go to: <http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm>

You will need to look at the links on the side of the page to help you locate information.

1. What is a food chain? _____

2. What is the process plants use to make food? _____

Explain: _____

3. Name and describe the 3 types of consumers:

a. _____

b. _____

c. _____



Click on “Click to Learn about Bigger Food Chains” on the same website.

1. Draw a food chain with at least 6 organisms. Be sure to label each organism (consumer, producer, herbivore, carnivore, omnivore, decomposer, primary consumer, secondary consumer, etc.)

2. Why can't there be too many links in a food chain? _____

Click on “Food Chain Game” and play 5 rounds of the game.

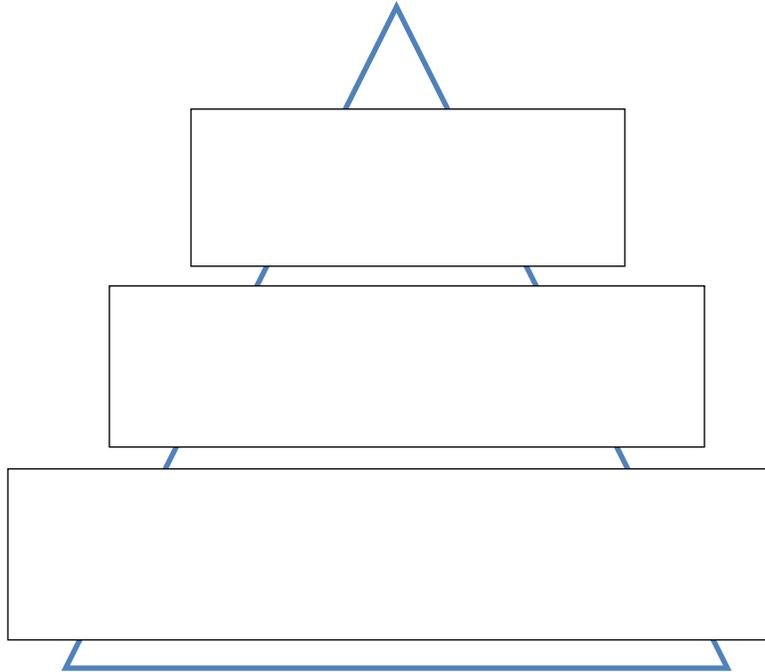


Go to: http://www.gould.edu.au/foodwebs/kids_web.htm

Create 2 out of the 4 food webs. In your own words, what is the difference between a food web and a food chain? _____

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

Draw an example of an energy pyramid. Include labels such as consumer, producer, carnivore, herbivore, primary consumer, secondary consumer, percent of energy, etc.



What happens to the amount of energy as you go up the energy pyramid? _____

Why? _____

Please watch the following Brain Pop videos and record your score.

Video	Score
Food Chain	
Energy Pyramid	

Name _____ Date _____ Number _____

Ecosystems and Food Chains Web Quest – Answer Key

Go to: <http://www.sheppardsoftware.com/content/animals/kidscorner/foodchain/foodchain.htm>

You will need to look at the links on the side of the page to help you locate information.

1. What is a food chain? *A food chain shows how each living thing gets food, and how nutrients and energy are passed from creature to creature. They begin with plant-life and end with animal-life.*
2. What is the process plants use to make food? *photosynthesis*
Explain: *Plants use sunlight, water, and carbon dioxide to make food (sugar/glucose). They also give off oxygen.*
3. Name and describe the 3 types of consumers:
 - a. *Herbivore – Eats plants*
 - b. *Carnivore – Eats animals*
 - c. *Omnivore – Eats plants and animals*



Click on “Click to Learn about Bigger Food Chains” on the same website.

4. Draw a food chain with at least 6 organisms. Be sure to label each organism (consumer, producer, herbivore, carnivore, omnivore, decomposer, primary consumer, secondary consumer, etc.)

***Food chains will vary. They should follow this general guideline:

Producer → consumer (herbivore/primary consumer) → consumer (carnivore/secondary consumer) → decomposer

5. Why can't there be too many links in a food chain? *At each link, energy is being transferred from one organism to another. If there were too many links, the animal at the end would not get enough energy.*



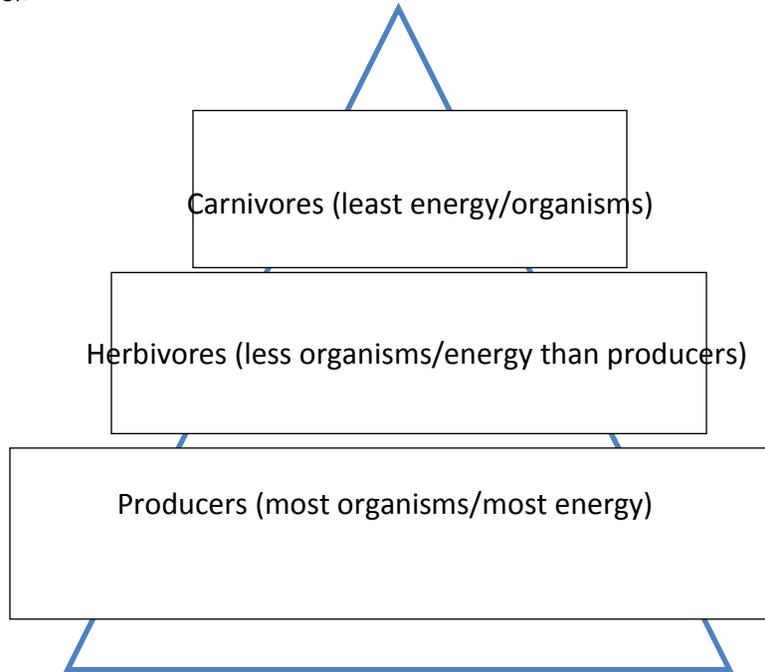
Click on “Food Chain Game” and play 5 rounds of the game.

Go to: http://www.gould.edu.au/foodwebs/kids_web.htm

Create 2 out of the 4 food webs. In your own words, what is the difference between a food web and a food chain? *A food web consists of more than one food chain. Food webs also show when organisms eat more than one thing and how the food chains are connected. Food webs also give clues as to when animals are competing and what they are competing for.*

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

Draw an example of an energy pyramid. Include labels such as consumer, producer, carnivore, herbivore, primary consumer, secondary consumer, percent of energy, etc.



What happens to the amount of energy as you go up the energy pyramid? *It decreases.*

Why? Not all of the energy an organism has is passed on to its predator because it uses up some of the energy for its own life processes. Therefore, there are less organisms and also less energy as you go up the energy pyramid. Interdependence helps to maintain balance within an ecosystem because fewer organisms at the top allows for more growth of the organisms at the bottom.

Please watch the following Brain Pop videos and record your score.

Video	Score
Food Chain	
Energy Pyramid	