Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Food Chains, Food Webs, and Energy Pyramid worksheet

1. Using the following food chain, answer the questions below.

 Grass 🡪 Rabbit 🡪 Fox



1. What type of organism is the grass? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Which animal is a carnivore? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The fox is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_consumer.
4. Which animal is an herbivore? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. What would happen to the population of rabbits, if the population of foxes increased (got bigger)? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Construct a food chain by writing the name (no pictures.) Label the producer, primary consumer, secondary consumer, and tertiary consumer.

***An owl eats a snake, the snake eats a squirrel, the squirrel eats a nut***.

1. Using the food chain from question 2, construct an energy pyramid using words (not pictures.)
	1. Which animal has the most amount of available energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. Which animal has the least amount of available energy? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Use the food web below to answer the questions.



Berry bush



* 1. What are the producers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. What are the primary consumers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. What are the secondary consumers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	4. What is the tertiary consumer? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	5. What organism is an omnivore?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	6. What organisms are carnivores?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	7. Construct one food chain using words (not pictures) that you see on the food web.

h. Using the FOOD WEB above, construct an energy pyramid using words (not pictures.)

**Energy Flow Through the Ecosystem Study Guide**

|  |  |  |
| --- | --- | --- |
| **Word** | **Description/Definition** | **Example/Picture** |
| **Producer** |  |  |
| **Consumer** |  |  |
| **Herbivore** |  |  |
| **Omnivore** |  |  |
| **Carnivore** |  |  |
| **Decomposer** |  |  |
| **Food Chain** |  |  |
| **Trophic Level** |  |  |
| **Food Web** |  |  |
| **Energy Pyramid** |  |  |