

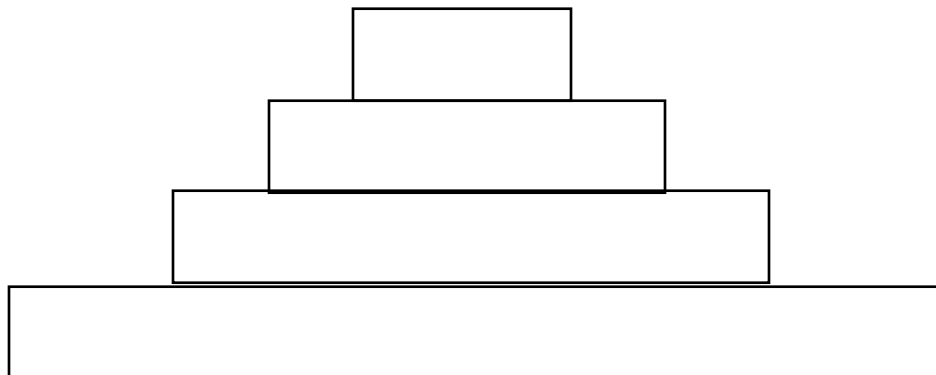
Name: _____

Ecological Pyramid

Watch the video Ecological Pyramid: Fuse School Global Education (2012) Ecological Pyramid.
<https://www.youtube.com/watch?v=wGfOoRrlCto>. Date Retrieved September 28th 2017

Complete the questions from the video:

- 1) What are ecological pyramids?
- 2) Draw an ecological Pyramid example:
- 3) They can show the _____ of organisms or the _____ of the organisms.
- 4) Draw 2 ecological pyramids, but how the number of organisms pyramid is different from the biomass pyramid:
- 5) What makes up the first (bottom) level of the pyramid? _____
- 6) Fill in the Ecological Pyramid with the types of consumers at each level:

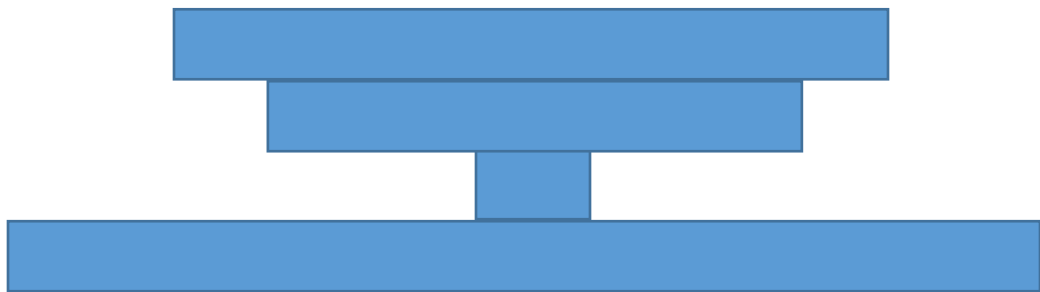


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7) What happens to the energy of the ecological pyramid?

8) What is the primary source of energy for an entire ecosystem?

9) What do you think will happen in an ecosystem when the ecological pyramid looks like this? Explain a reason for your answer:



Name: _____

Ecological Pyramid Activity (Predator vs Prey)

An ecosystem is a delicate balance of different types of plants, animals, organisms and other non-living parts. In this activity you will take on the role of one of the parts in an ecosystem. Follow the instructions on your card to see what the end outcome is for our class ecosystem.

Parts of an ecosystem:

Level	Description	Example
The Sun	Provides all the light and energy source for the ecosystem.	The Sun
Producers	Take light from the sun and turn it into energy through photosynthesis. Transform Carbon Dioxide into Oxygen	Grass, Apple tree, Pineapple, Milkweed etc
Primary Consumer	Eats Producers.	Caterpillars, grasshoppers, birds, rabbits, etc.
Secondary Consumer	Eats Primary Consumers	Some Birds, snakes, Spiders,
Tertiary Consumers*	Eats Secondary Consumers. Called "Apex Predator" if nothing eats it in the ecosystem.	Bear, Mountain Lion, Human
Decomposers	The end of a food web. The organisms that break down the organic waste.	Mushrooms, bacteria, fungus
Scavengers*	Animals that feed on dead plant and animal material. This occurs before decomposition.	Vultures

Name: _____

We are now going to do a class activity where you will be each given a card of one of the levels of the ecological pyramid. Follow the directions on your card. If you are consumed in the activity be sure to watch and see what happens to the ecosystem. You will draw the Ecological Pyramid and explain what happened to the ecosystem at the end of the activity.