

Ecological Energy Pyramid

Directions:

1. Shade the first (bottom) level of each pyramid green.
2. Shade the second level of each pyramid yellow.
3. Shade the third level of each pyramid blue.
4. Shade the fourth (top) level of each pyramid red.
5. Label each level of the first pyramid side with the following terms as you move up the pyramid: producer, primary consumer, secondary consumer, tertiary consumer.
6. Label each level of the second pyramid side with the following terms as you move up the pyramid: plants, herbivores, carnivores, top carnivores.
7. Label each level of the third pyramid side with the following terms as you move up the pyramid: autotroph, 1st order heterotroph, 2nd order heterotroph, 3rd order heterotroph.
8. On the fourth pyramid side draw a picture of what might belong in each level:
1st: flowers, grass, trees, algae
2nd: caterpillars, cows, grasshoppers, beetles, small fish
3rd: humans, birds, frogs, penguins, seals, larger fish
4th: lions, dogs, snakes, killer whales
9. Cut on the dotted line. Now cut out the outer shape of your pyramid and fold on the lines radiating from the center. Tape or glue it together.
10. Answer the following questions using your pyramid.
 - a. What are 3 terms used to describe organisms such as trees?
 - b. What are 3 terms used to describe organisms such as cows?
 - c. What are 3 terms uses to describe organisms such as humans?
 - d. What are 3 terms used to describe organisms such as lions?
 - e. What do the organisms in each trophic level eat?
 - f. Do organisms always stay in the same level? Explain your answer.

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