

# ENERGY PYRAMID

Class  
Set

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

**Problem:** Can an energy pyramid be constructed to show the flow of energy through an ecosystem?

**Materials:** pre-cut Ellison die pattern of pyramid (or photocopy of pyramid pattern)  
pen or pencil  
tape  
research materials

- Procedure:**
1. Construct the pyramid by folding along the dotted lines. Tape the overlap sections inside the pyramid.
  2. Divide the each side of the pyramid into 4 levels.
  3. Label the levels on one of the sides with the following; producers, first level consumers, second level consumers, third level consumers. (Use research materials whenever necessary.)
  4. Label the second side with primary producers, primary consumers, secondary consumers, and tertiary consumers.
  5. Label the third side of the pyramid with autotrophs, herbivores, carnivores, and omnivores.
  6. Label the fourth side with the names of plants and animals found in the food web that your group made in the previous activity.
  7. Answer the questions. Share your pyramid with other groups.
  8. Write a one paragraph summary of what you have learned.

**Questions:**

1. Did the amount of energy decrease or increase at each succeeding level? \_\_\_\_\_
2. What is the source of energy for all ecological pyramids? \_\_\_\_\_

**Summary:**



