

1. What are the 3 energy roles organisms can have in an ecosystem?
2. What is a producer?
3. What's the source of energy for most ecosystems? _____
4. What's a consumer?
5. What are the 4 kinds of consumers and what do they eat?
 - _____
 - _____
 - _____
 - _____
6. What are decomposers?
7. What's a food chain?
8. What's a food web?
9. What does an energy pyramid show?
10. Why does an energy diagram take the shape of a pyramid?
11. About how much energy transfers up from the level below it?
12. If your First-Level Consumers obtain 8% of the energy made by the Producers, how much of that energy remains at the Third-Level Consumer level? Show your math and refer to Q#10.

Name _____

INSTRUCTIONS: Using the Food Web on page 48 in your textbook, complete the energy pyramid. You may need to refer to your textbook pages 44-50 for information as needed.

Complete these tasks:

1. Color the producers level green. Color the First-Level Consumers level yellow. Color the Second-Level Consumers level orange. Color the Third-Level Consumers level red.
2. Insert the following words correctly into your pyramid: Producers, 1st Consumers, 2nd Consumers, and 3rd Consumers. (Decomposers on the side)
3. Insert the names of the organisms from the food web into your pyramid in their correct level.
4. Draw in arrows showing the energy flow between organisms.
5. Draw in the energy source for your food web.
6. Answer the questions on the back of this page.

