

Name: _____

Date: _____



GENIUSCHALLENGE

FOOD WEBS: CYCLING OF MATTER AND FLOW OF ENERGY

1. _____ is the chemical process plants go through in order to make their own food.
2. Plants are called _____ because they make their own food.
3. One food chain in an ecosystem might be grass, a mouse, a snake and a hawk. Which one is the producer? _____
4. _____ are organisms that break down dead matter in an ecosystem.
5. In order to create energy, the chemical process of _____ occurs when we take in food.
6. An _____ consumer is the consumer at the top of a food chain.
7. Explain why there would be many more plants in an ecosystem than apex consumers.

8. In the process of _____ carbon dioxide combines with water and sunlight to make sugar and release oxygen.
9. _____ is a chemical process within cells where sugar and oxygen react to form carbon dioxide and water resulting in the release of energy.
10. In the space below or on the back of this paper, make a diagram of a simple food chain with 4 different organisms. Label each of the levels of the food chain.