

Food Web Activity

Background- Food chains and food webs are used to show the movement of energy through organisms in a community. Food chains usually have 3-5 organisms in them; food webs are made up of many food chains and have more plants and animals.

Purpose- In this activity, you will construct a food web from an assortment of animals

Procedure- (25 points)

1. Using the list of organisms for your assigned ecosystem, **arrange** them on a poster to show the flow of energy.
2. Make sure each organism is represented by a **colored picture** and **labeled** with the name of the organism.
3. Clearly show the flow of energy between organism using **arrows**. (Remember that arrows may link more than one organism to another if that applies).
4. Label each organism appropriately as a producer or consumer.
5. Label each of the consumers appropriately as an omnivore, carnivore or herbivore.
6. Make sure to include the sun and decomposers in your food web.
7. Your food web must be colorful, creative, clear, display effort and be easy to read. Each person's names must be on the back of your food web.

Conclusion (10 points)

1. What is a food chain? _____

2. What is a food web? _____

3. How much energy is lost as you move up each level on a food web, 10%, 25%, 50% or 100%? _____

4. Where does the lost energy go? _____

5. Why do the arrows in a food web point towards the animal that eats the food? _____

6. What does a food chain have in common with a food web? _____

7. How is a food chain different than a food web? _____

8. Which organisms did you label as producers, and why? _____

9. Which organisms did you label as consumers, and why? _____

10. Relate this activity to your life.