

Week 2 - Day 4

5th

Grade Science



Ecosystems

Performance Indicator: 5.L.4B.2 Develop and use models of food chains and food webs to describe the flow of energy in an ecosystem.

Essential Question(s):

How is energy transformed and transferred as it flows through the **food chain**?

I-Can Statements:

I can explain the role of organisms in a food chain.



Engage Activity

Click on the link
and listen to the
video

<https://www.youtube.com/watch?v=pasB5FxbVUk>

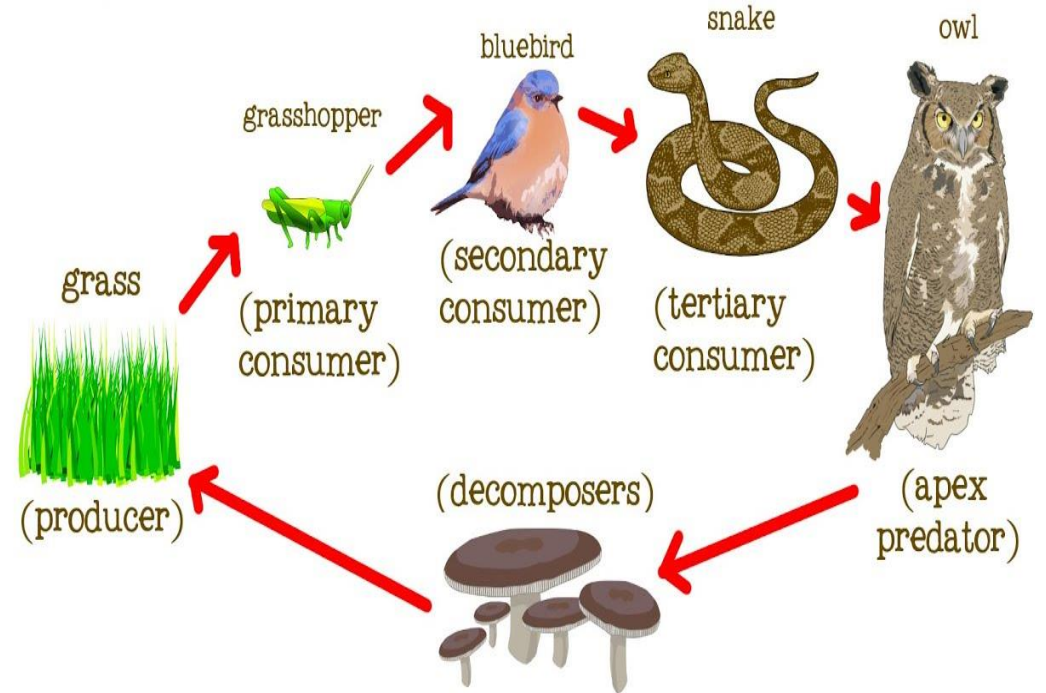
- The role of an organism can be identified by its placement on the food chain.
- Decomposers are not typically noted on a food chain; they will break down any organism on the food chain when it dies
- . An example of a grassland food chain: Sun → Grass → Grasshopper → Toad → Snake → Hawk →

- Organisms can also be identified based on how they interact with other organisms.
 - Predators are animals that hunt and kill other animals for food.
 - Prey are animals that are hunted and killed as food for other animals.
 - A parasite is an organism that spends a significant portion of its life in or on a living host organism usually causing harm to the host without immediately killing it.
 - Hosts are organisms or cells that serve as a home or a source of food for a parasite.

Food Chain Activity

Create your own food chain and explain the roles of the organisms in your food chain.

Food Chains



Engage Activity

Now that you have read the article on limiting factors, please consider what questions you still have about Ecosystems. Take this opportunity to write one thing that you learned from the article and one question that you still have. Write your responses below.

I Learned:

I Still Wonder: