

Science knowledge

When an animal eats a plant or an animal eats another animal they create a **food chain**. The **food chain** is the transfer of energy from one species to another.

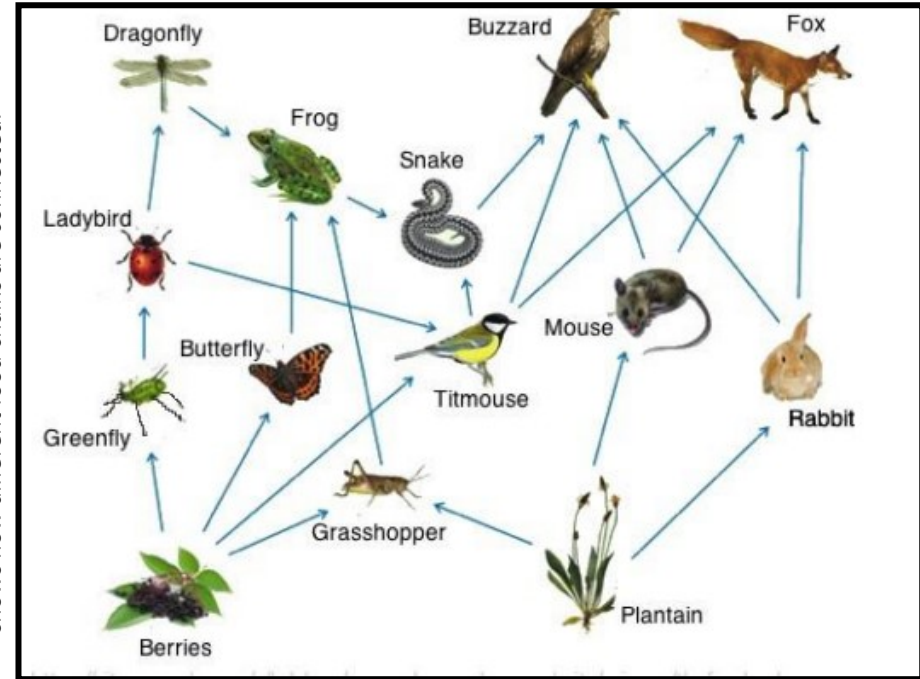
A food web shows the direction in which energy travels when animals and producers (plants) are eaten by more than one thing.

Within a food chain, some living things create the energy (producers) and some use the energy (consumers). Plants are producers of energy, as they make their own food (using sunlight, soil, and other elements). There are four different types of consumers in the animal kingdom. A carnivore is an animal that only eats other animals. An herbivore is an animal that only eats plants. An omnivore is an animal that eats both plants and animals. A scavenger is an animal that eats dead

When part of the food chain is removed, this has an impact on the other parts of the food chain. The number of some species will increase, while the population of others will decrease. This can have a direct

What is a food web?

A food web is similar to a food chain but is much larger and shows how different food chains are connected.



Below is an example of a food chain

- The **producer** (a plant) gets its **energy** from the Sun.



- In this example, the **producer** is the wheat, which gets its **energy** from the Sun.
- The mouse eats the wheat and gets its **energy** from it. The mouse is the **primary consumer**.
- The mouse is then eaten by the owl, which is the **secondary consumer**. The owl gets its **energy** from the mouse. The owl is the **predator** and the mouse is the **prey**.

Science Vocabulary

Word	Definition
producer	All green plants can make food in their leaves. They are the only producers of food.
consumer	Animals that eat plants in a food chain.
predator	Animals that catch and eat other animals.
prey	Animals that are hunted and eaten by predators.
scavenger	an animal that finds and eats dead animals or rotting plants
web	a combination of food chains that integrate to form a network
Food chain	Animals eat plants or other animals. The way this happens is shown in a food chain

