



Study sheet

Name :	<input type="text"/>	Subject:	7.2 Food Chains and webs
Class:	Sixth Grade	Date:	<input type="text"/>

*Ecology: is the study of organisms in their environment.

-All the different organisms that live together affect one another in some way.

-Food webs and food chains describe how **energy** in the form of food **is transferred** between animals and plants.

-**Food chain:** A diagram that shows how energy is transferred from one organism to another, in the form of food.

-**Food web:** A diagram showing many interconnecting food chains.

How does energy get into food?



1- The energy in food begins in the sun. Energy from the sun reaches the Earth in sunlight.

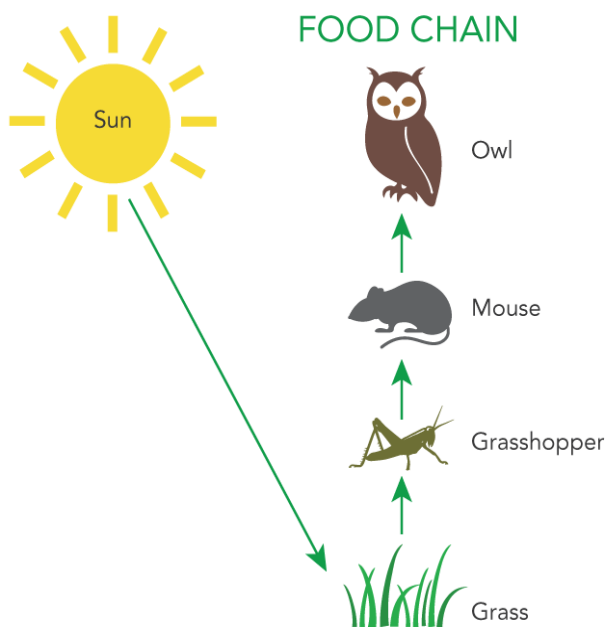
2- Plants (producers) use energy from sunlight to make their own food.


*Plants stores energy from the sun in its:

- a-roots.
- b-Steams.
- c-Fruits.
- d-Leaves.

3-When an animal (consumer) eats part of the plant, it eats the food the plant made. This is how the animals gets energy.

*This is called **energy transfer**.

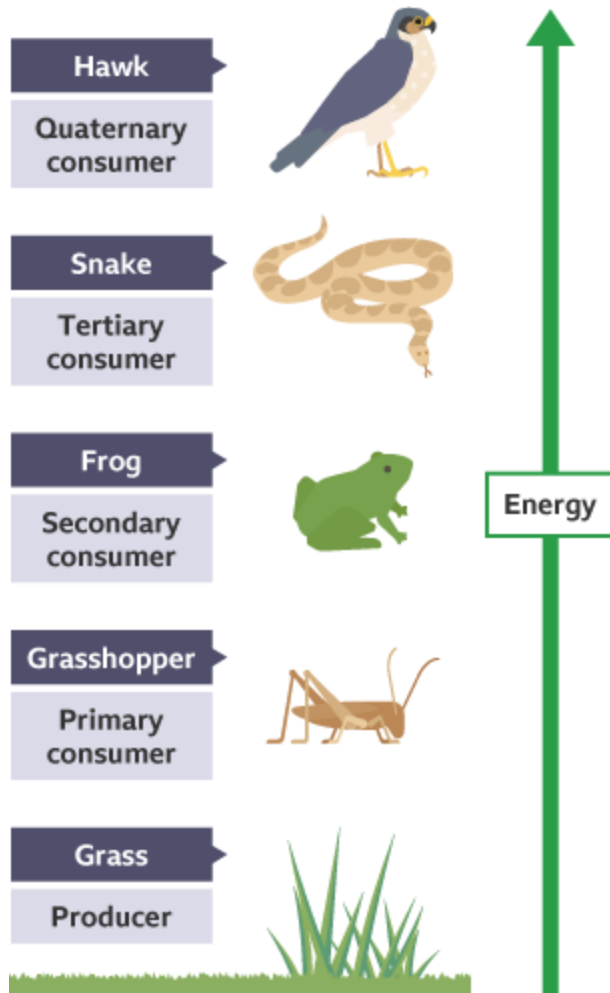


The arrows  in the food chain show how energy is passed from the Sun to the plant and then **is transferred** to the consumers.

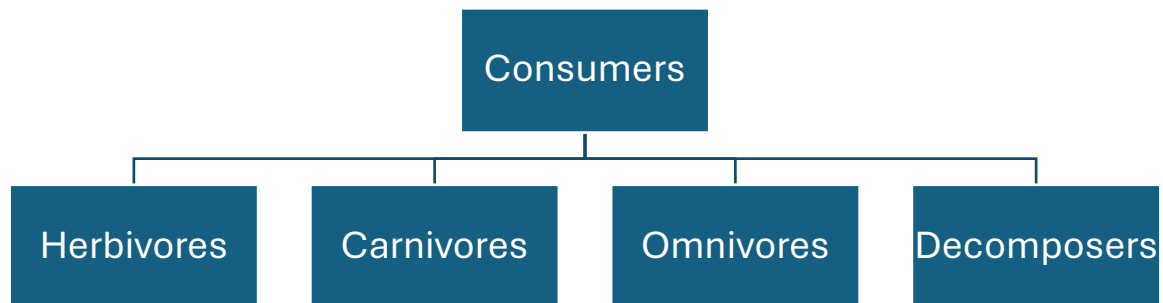
The **first** organism in a food chain is a producer.

*Producers make their own food (plants).

Then the consumers: Consumer is an organism that cannot make its own food and therefore relies on food made by plants; all animals and fungi are consumers.



There are four types of consumers:



-Herbivores: Consumers that consume only plants.

-Carnivores: Consumers that consume only meat(animal).

-Omnivores: Consumers that consume both (meat and plant).

-Decomposers: Consumers that consume the remains of dead plants and animals.

*Consumers can be a predator or a prey.

-Predator: An animal that catches, kills and eats other animals.

-Prey: An animal that is killed and eaten by another animal.