

Ecological relationships and classification

Lesson 1 - Food Chains and Webs

Biology - Key Stage 3

Miss Lewis



Look at the food chain below.



1. What is a **primary consumer**? Name the primary consumer in the food chain.
2. What is a **secondary consumer**? Name the secondary consumer in the food chain.
3. What is a **tertiary consumer**? Name the tertiary consumer in the food chain.
4. What is a **top predator**? Name the top predator in the food chain.



Draw arrows to match up each word below to it's meaning.

carnivores

Animals that eat both plants and animals

herbivores

Animals that eat plants

omnivores

Animals that eat other animals

consumers

Organisms that can make their own food

producers

Organisms that rely on other organisms for their food



A sea food chain is shown below.



1. What do the arrows mean?
2. Write down the name of the following and explain why.

Herbivore:

Carnivore:

Producer:



Food chains always begin with a certain type of living thing.

1. What type of living thing is this?
2. Why do they always start off the food chain?



Decide whether each of the following statements are true (T) or false (F).

1. Primary consumers are always carnivores.
2. All carnivores are secondary consumers.
3. In a food chain, arrows point from the organism being eaten to the organisms eating it.
4. Top carnivores are always very large.
5. All plants are producers.
6. Tertiary consumers are always top carnivores.
7. In food chains, arrows show the direction of energy flow.



1. **From the food web**, give the names of **two** animals that **only** eat krill.
2. Name the **producer** in the food web.
3. Write a **food chain** that includes the cod.



- 1.State 3 food chains in this food web.
- 2.Name a producer in this food web.
- 3.Name two herbivores in this food web.
- 4.Name two species that are top predators.
- 5.How many secondary consumers are there?
6. What would happen to the population of other organisms if all the grass died? Explain your answer.
7. What would happen to the population of the hawk if the fox population decreased? Explain your answer.

