

# Food webs

Outstanding Science Year 4 - Animals, including humans - OS4B008

National Curriculum Statutory Requirements

## Learning Objective



I can create a food web and explain what it shows.

Me:   

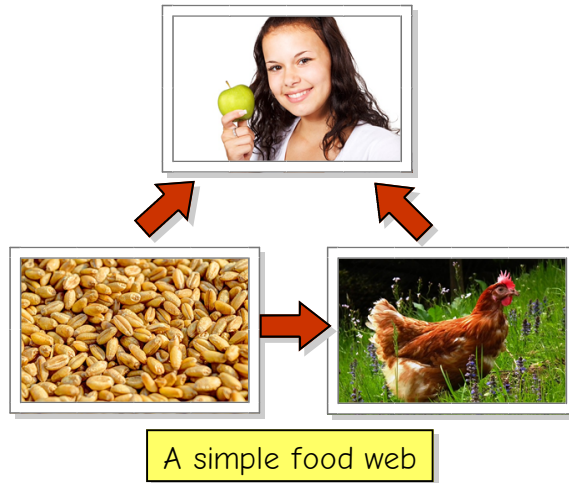
Teacher:   

## Food webs

We can show which organisms eat other organisms using a **food chain**. However, we can also use a more detailed diagram called a **food web**.

A food web is similar to a food chain, but each organism can eat more than one thing, and be eaten by more than one thing. We can show this by adding several arrows.

In this example, the **wheat** (producer) is eaten by both the **human** (consumer) and the **chicken** (consumer). The chicken can also be eaten by the human. Humans are **omnivores** so they can eat both plants and animals. Whether the human eats the wheat or the chicken, they are still getting their energy from the wheat, which gets its energy from the Sun.



## Activity

Carefully cut out the pictures. Use them to create a **food web** on the following page. Label each organism as **producer**, **consumer**, **predator** or **prey**. Remember to add your own arrows to show what eats what.

## Glossary

A **producer** makes its own food.

A **consumer** eats other organisms.

A **predator** hunts and eats other animals.

**Prey** is eaten by a predator.

A **top-level predator** or **apex predator**

is a predator that is not eaten by anything else - it has not predators of its own.



## Food web clues

Use these clues to help you complete the food web.

The **green plant** is eaten by the **goat**, **rabbit** and **mouse**.

The **jackal** eats the **goat** and **rabbit**.

The **wild cat** eats the **rabbit** and **mouse**.

The **owl** and **snake** both eat the **mouse**.

The **lion** eats the **goat**, **jackal** and **wild cat**.

The **kite** eats the **snake**.

The **lion**, **hawk** and **owl** are **top-level predators**.

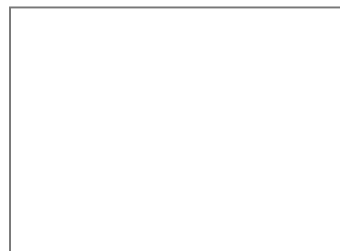
## Discussion

What would happen to the rest of the organisms if the green plants disappeared?

## A food web



The arrow means 'is eaten by', and shows the flow of **food energy** through the food web.





Lion

Snake



Lion

Snake



Lion

Snake



Goat

Hawk



Goat

Hawk



Goat

Hawk



Wild cat

Mouse



Wild cat

Mouse



Wild cat

Mouse



Rabbit

Owl



Rabbit

Owl



Rabbit

Owl



Jackal

Green plant



Jackal

Green plant



Jackal

Green plant

### Teacher's note

There are enough images on this page for three children, to save on printing and photocopying resources.