

KS1 Science Knowledge Organiser

Topic: Living Things and their Habitats – Gardens and Allotments– Year 2 Unit

Key questions:

- I can identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
- I can identify and name a variety of plants and animals in their habitats, including microhabitats.
- I can describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

Key Information

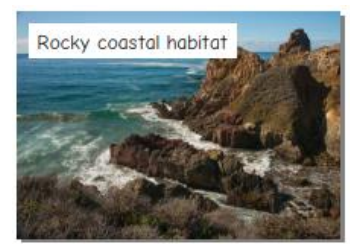
What is an organism?

An **organism** is another word for a living thing, including plants and animals.

What is a habitat?

A **habitat** is a place where an organism lives. Some organisms can be found in lots of different habitats, while others can only survive in one type of habitat. A habitat must provide everything that an organism needs to survive, otherwise the organism will not be able to live there and will die.

These are some habitats:

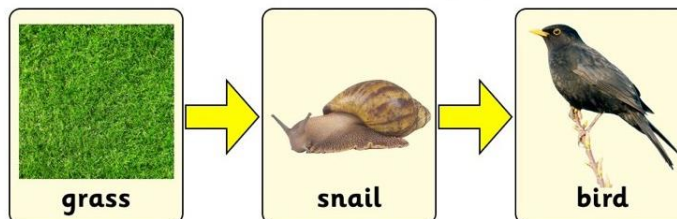


What is a microhabitat?

A **microhabitat** is a very specific, small home environment for plants, animals and insects. Examples include: ponds; individual trees; under a stone; a pile of logs.

What is a food chain?

The animals and plants in any habitat are linked together through **food chains**. Food chains show what animals eat. Here is an example...



Energy passes from one animal to another as they eat plants or one another. This flow of energy from one living thing to another is called a **food chain**.

Did you know...?

- 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 animals.

Key vocabulary

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|----------------|--------------|-------------|
| • organism | • food chain | • carnivore |
| • habitat | • producer | • herbivore |
| • microhabitat | • consumer | • omnivore |
| • environment | • energy | • scavenger |