

### Habitats

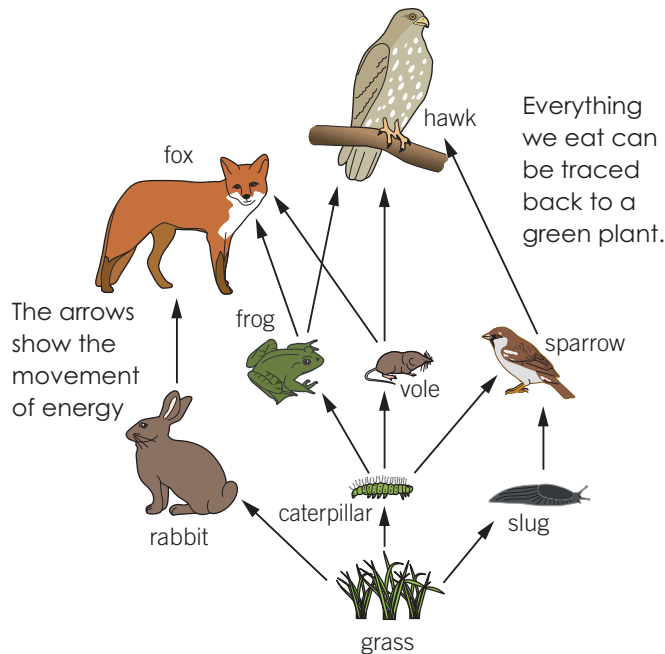
A habitat is the natural home of a plant or animal. All organisms are suited to live in their natural habitat.

Several microhabitats can be found within a single habitat.

### Food chains and webs

Multiple food chains can be shown together in a food web.

Food chains show how organisms depend on each other for survival.



### Organisms (living things)

Animals

|            | Vertebrate   | Invertebrate   |
|------------|--|--|
| Definition | Animals with a backbone  | Animals <i>without</i> a backbone  |
| Examples   | <ul style="list-style-type: none"> <li>• Mammals</li> <li>• Reptiles</li> <li>• Fish</li> <li>• Birds</li> <li>• Amphibians</li> </ul> | <ul style="list-style-type: none"> <li>• Insects</li> <li>• Annelids</li> <li>• Arachnids</li> <li>• Molluscs</li> </ul> |

Plants

|            | Flowering plants           | Non-flowering plants             |
|------------|----------------------------|----------------------------------|
| Definition | Produce flowers and fruits | Don't produce flowers and fruits |
| Examples   | Grasses                    | Mosses                           |

### Characteristics of all organisms

- Movement**
- Growth**
- Respiration**
- Reproduction**
- Sensitivity**
- Excretion**
- Nutrition**

You can use characteristics to identify and classify plants and animals. A species is a group of organisms with similar characteristics.

### Changes in the environment

Humans can make

A positive change to the environment

Recycling more, so less rubbish goes to landfill

A negative change to the environment

Human activities, like burning, release gases such as carbon dioxide into the atmosphere

Gases cause Earth's atmosphere to heat up

Earth's climate and weather patterns change

An environment can change because of natural or human reasons.

| Word           | Definition  |
|----------------|---|
| atmosphere     | The layers of gases around the Earth.   |
| carbon dioxide | A gas that is produced by processes like burning; it is used by trees         |
| carnivore      | Carnivores are animals that eat other animals.                                |
| characteristic | A feature that helps to identify something.                                   |
| consumer       | A consumer is an animal which eats other animals or plants.                   |
| deforestation  | The cutting down of trees or destruction of forests.                          |
| ecosystem      | The living things and links between them in an area.                          |
| environment    | The air, the land, and the water in which organisms live.                     |
| flowering      | A plant that produces flowers and fruit.                                      |
| food chain     | The living things which need each other for nutrition.                        |
| food web       | Many food chains connected together.  |
| global warming | The increase in average global temperatures causing habitat changes on Earth. |
| habitat        | The natural home of a plant or an animal.                                     |
| herbivore      | A herbivore is an animal that only eats plants.                               |

| Word          | Definition   |
|---------------|--|
| invertebrate  | Animals without a backbone.  |
| microhabitat  | Several microhabitats can be found within a single habitat   |
| mollusc       | A type of invertebrate with a soft body, sometimes with a shell to protect it.   |
| non-flowering | A plant that does not produce flowers and fruit.   |
| omnivore      | An omnivore is an animal that eats plants and meat.  |
| organism      | A living thing (plants or animals).  |
| pollution     | Pollution is anything that spoils the environment.   |
| predator      | A predator is an animal that hunts and kills other animals for food.   |
| prey          | An animal which is hunted and eaten by predators is called the prey.   |
| producer      | A producer in the food chain makes its own food. All green plants make food in their leaves from air, water and light. |
| species       | A set of animals or plants with similar characteristics that can breed with each other.                                |
| vertebrate    | An animal with a backbone.   |