

# Science Knowledge Organiser

Biology

Year 4

Living things including Humans – Food chains and Teeth

## Vocabulary

Consumer	An organism that feeds on other organisms.
Producer	Plants get their energy from the Sun. They are called <b>producers</b> because they make their own food.
Predator	A <b>predator</b> is an animal that hunts, catches and eats other animals
Prey	<b>Prey</b> is an animal that is hunted by another for food. <b>Prey</b> are hunted by predators.
Plants	<b>Plants</b> are living organisms that cover much of the land of planet Earth. You see them everywhere. They include grass, trees, flowers, bushes, ferns and mosses
Photosynthesis	<b>Photosynthesis</b> is the process in which green plants use sunlight to make their own food
Animals	<b>Animals</b> are living things that need food and water to live.
Organisms	An <b>organism</b> is any living thing.
Food chain	<b>Food chains</b> show how energy from the sun is used by animals in a <b>chain</b> from plants through to animals
Food web	in <b>food webs</b> we represent the links between animals who eat or are eaten by more than one kind of animal.
Food – energy	<b>Food stores energy</b> , which when eaten is transferred to the consumer.

## Children already know

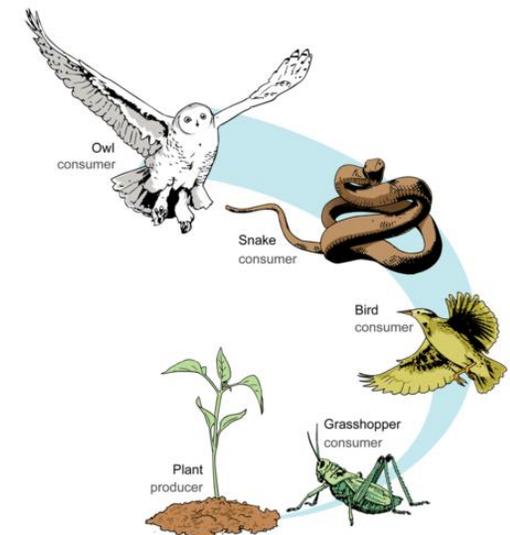
Children have already learnt about living and non-living things and are able to categorise them based on a criterion.

In addition to this, they have also classified different types of animals according to their taxonomy and discovered what habitats are needed for that organism to survive and flourish.

## What I will know by the end of the topic

By the end of the unit, children will understand the following declarative knowledge:

- Living things can be classified as producers, predators and prey according to their place in the food chain.
- Producers provide for the prey that provide for the predators.
- Show which living things may fall under these categories.
- Understand that predators can also be prey.
- Food chains can link to food webs though this is not necessary.
- Classify animals as herbivores, carnivores or omnivores according to the type of teeth they have in their skulls



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<p>1) Can you draw an example of a food chain?</p>	<p>2) Can you name 3 examples of producers</p>	<p>3) Can you name 3 consumers?</p>
<p>4) Name 3 different predators and prey</p>	<p>5) Can you classify these organisms into producers – primary consumers – predators?</p>	<p>6) Can you explain what the 10 key words mean using examples?</p>

