

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 producers because they make their own food.
Predator	A predator is an animal that hunts, catches and eats other animals
Prey	Prey is an animal that is hunted by another for food. Prey are hunted by predators.
Plants	Plants 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	Photosynthesis is the process in which green plants use sunlight to make their own food
Animals	Animals are living things that need food and water to live.
Organisms	An organism is any living thing.
Food chain	Food chains show how energy from the sun is used by animals in a chain from plants through to animals
Food web	in food webs we represent the links between animals who eat or are eaten by more than one kind of animal.
Food – energy	Food stores energy , which when eaten is transferred to the consumer.

Children already know

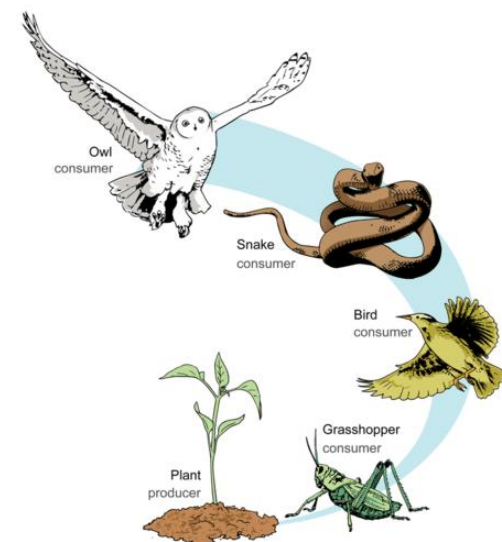
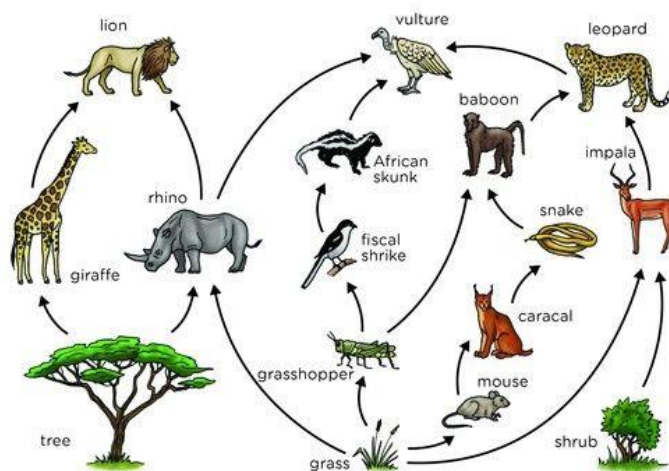
Children have already learnt about living and non-living things and are able to categorise them based on a criterion.

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

