

# Knowledge Organiser

<b>Science Focus</b>	<b>Living Things and their Habitats</b>	<b>Year 6</b>	
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## What? (Key Knowledge)

<u>Habitats</u>	
Environment	Identify and name a variety of common animals that are birds, fish, amphibians, reptiles and mammals and the differences in their environments.
Food chains and their significance	Food chains are a map of the flow of energy from a plant (primary producer) through consumers, (primary consumers) and hunters Classifying Plants and Animals (secondary consumers).
Describe, compare and contrast	Describe and compare the structure of a variety of common animals (birds, fish, amphibians, reptiles and mammals, and including pets). Identify, name, draw and label food chains and ecosystems.

## Living Things

Identify and show understanding of the differences between living things	<ul style="list-style-type: none"> <li>Invertebrates (e.g. crab, worm)</li> <li>Fish (e.g. goldfish, cod, shark)</li> <li>Amphibians (e.g. frog, toad)</li> <li>Reptiles (e.g. snake, crocodile)</li> <li>Birds (e.g. robin, chicken, owl)</li> <li>Mammals (e.g. human, dog)</li> <li>Plants</li> <li>Micro-organisms</li> </ul>
Classify and Identify	Identify and name a variety of common animals and plants and classify them under a set of specific criteria

## Possible experiences

- Finding and classifying animals in the school environment
- Looking closely at the features of animals using hand lenses
- Visit from the 'animal person' to introduce less common animals (snakes and reptiles, spiders)
- Design a set of identification cards.
- Pupils in the school to classify and identify animals and plants in the school and local environment

## • Statutory requirements

- Pupils should be taught to:
- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals
  - Give reasons for classifying plants and animals based on specific characteristics

## What? (Key vocab)

Spelling	Definition
Organism	An individual living thing, such as a plant, an animal, or a bacteria.
Classifying	To put into groups according to things that are similar.
Unique	Being the only one of its type.
Vertebrate	Having a backbone
Invertebrate	Without a backbone
Mammal	Any animal that has hair and feeds its babies with milk from the mother.
Ecosystem	A community of living things, together with their environment.
Habitat	The natural environment of an animal or plant
Food chain	A series of living beings in which each serves as food for the next.

## Diagrams and Pictures

