

# Science

## Topic: Living Things and their Habitats

Year 6

### What I should know by the end of the unit?

### Vocabulary

- Animals can be grouped into **vertebrates** and **invertebrates**.
- A **classification key** is a tool that is used to group **living things** to help us identify them using recognizable **characteristics**.
- How to determine a living thing's classification by observing their similarities and differences.
- The Linnaean system, named after Carl Linnaeus, has different levels where the number of living things in each group gets smaller and smaller, until there will just be one type of animal in the **species** group.
- The features of mammals, fish, birds, amphibians, reptiles and invertebrates.
- What **microorganisms** are and how they can be **helpful** or **harmful**.

<b>bacteria</b>	A single-celled microorganism
<b>characteristics</b>	Special qualities or appearances that make an individual or group of things different to others.
<b>classification</b>	To sort things into different groups based on similar characteristics and behaviours.
<b>fungi</b>	The classification or group of living organisms. This means they are not animals, plants or bacteria.
<b>key</b>	A key is a series of questions about the characteristics of living things. A key is used to identify a living thing or decide which group it belongs to by answering 'yes' or 'no' questions.
<b>invertebrate</b>	An invertebrate animal does not have a backbone.
<b>microorganism</b>	An organism that can only be seen using a microscope.
<b>organism</b>	An individual animal, plant or single-celled life form.
<b>species</b>	A group of animals that can reproduce fertile offspring.
<b>taxonomy</b>	The science of naming, identifying and classifying organisms.
<b>vertebrate</b>	A vertebrate animal is one that has a backbone.

### Microorganisms

Microorganisms are very tiny living things. They are so small that they are not visible to the naked eye, so a microscope is needed to see them. Microorganism can be found all around us. They can live on or in our bodies, in the air, in water and on the objects around us. Some **microorganisms** can be helpful in certain situations. Others can be harmful, and their spread needs to be controlled or contained.



### Classification of Animals

### Classification of Plants

