

Year 5/6 Living Things and their Habitats Knowledge Organiser



What do I know ?



- I know that living things can be grouped in different ways. (Y4)
- I can explore and use classification keys to group, identify and name different living things. (Y4)
- I can describe the differences in the life cycle of a mammal, amphibian, insect and bird. (Y5)

Gems of knowledge



- I will classify living things into broader groups according to their similarities and differences.
- I will justify why I have classified plants and animals, based on their common observable characteristics.
- I will explore a classification key in more detail and create my own.

How will I work like a Scientist?

- I will plan different types of scientific enquiry to answer a variety of questions.
- I will recognise and control variables where necessary (Y5- with support).
- I will select all equipment needed (Y5- with support).
- I will use a range of scientific equipment to take measurements with increasing accuracy.
- I will identify when to take repeat readings (Y5- begin to understand).
- I will take repeat readings.
- I will record data and results of increasing complexity e.g. line graphs.
- I will report and present findings from enquiries, including conclusions and suggest causal relationships (Y5- with prompting).
- I will report and present findings from enquiries in oral and written forms.
- I will identify scientific evidence that has been used to support or challenge arguments.
- I will use test results to suggest further comparative or fair tests (Y6- make predictions)
- Y6 only- I will report and present findings from enquiries, including explanations of the validity of results.

Vocabulary

Meaning

Characteristics

Special qualities or appearances that make something different to others.

Species

A group of organisms that can reproduce naturally with each other.

Variation

A slightly different version of something.

Classification key

A set of questions about the characteristics of living things. You can use a key to identify a living thing or decide which group it belongs to by answering the questions.

Classify

To sort things into different groups.

Micro-organism

An organism that can only be seen using a microscope. e.g. bacteria, mould and yeast.

Significant Scientist



Carl Linnaeus is a Swedish scientist who first published a system for **classifying** all living things. An adapted version of this system is still used today: The Linnaeus System.

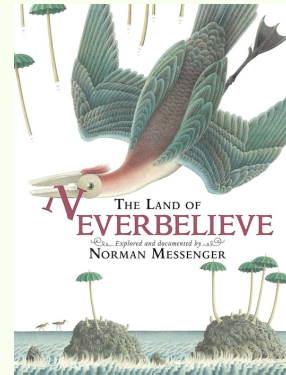


Careers in Biology

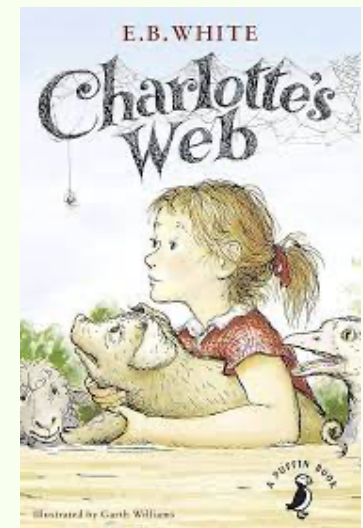


A **taxonomist** is a scientist who classifies different living things into categories.

Read me!



The Land of Neverbelieve by Norman Messenger.



Charlotte's Web by EB White.