











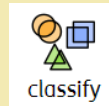


# Living things: Classifying big and small



Year 6 - Science  
Autumn 1

Key Knowledge and Scientific Skills	
	Lesson 1 - To explain how organisms are classified using the Linnaean system.
	
	Lesson 2 - To classify the cold-blooded vertebrate groups using their common characteristics.
	
	Lesson 3 - To classify the warm-blooded vertebrate groups using their common characteristics.
	
	Lesson 4 - To classify invertebrates.
	
	Lesson 5 - To describe how the plant kingdom is organised (based on shared characteristics).
	Lesson 5 - Working scientifically: To produce a working classification key.
	Lesson 6 - To describe and classify micro-organisms.
	



classify

**Classification:** Classification is putting things into groups. Living things can be divided into these groups or 'classified' by looking at similarities and differences between the way they look and behave.



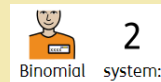
vertebrate

**Vertebrates:** A vertebrate is an animal with a backbone e.g. fishes, amphibians, reptiles, birds, and mammals, including humans.



invertebrate

**Invertebrates:** An invertebrate is an animal without a backbone. E.g. spiders, worms, snails, lobsters, crabs and insects like butterflies.



Binomial system:

**Binomial system:** A way of naming species using two parts, or terms, in a Latin-based scientific name:

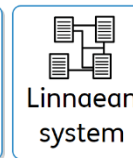
**Genus:** The first part of the name, which indicates the species' genus and **species:** The second part of the name, which indicates the species itself. For example, the scientific name for humans is Homo sapiens, where Homo is the genus and sapiens is the species



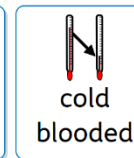
organism



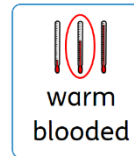
Carl  
Linnaeus



Linnaean  
system



cold  
blooded



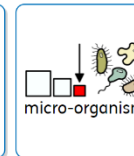
warm  
blooded



moss



exoskeleton



micro-organism

Metacognitive  
statements:

I can remember...

I can apply...

I can understand...

I can analyse...

I can create