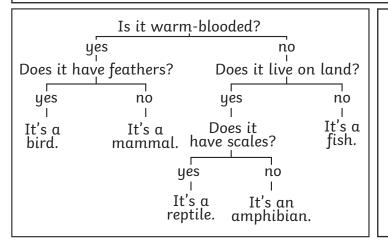
Key Vocabulary				
microorganism	A microorganism is an organism that can only be seen using a microscope.			
species	A species is a group of organisms with shared characteristics that can reproduce to produce fertile offspring.			
characteristics	A characteristic is a particular feature or quality that is specific to an individual, species or group.			
classification	Classification is the process of grouping living things according to their similarities.			
classification key	A classification key is a set of questions used to identify and group living things. They are usually based on an organism's physical characteristics.			
organism	'Organism ' is another way to refer to a living thing.			

Classification

In the 1700s, Swedish scientist Carl Linnaeus published a system for classifying living things based on their observable **characteristics**, known as the Linnaean System. An adapted version of this system is still used today.



Taxonomists are scientists who sort, group and classify living things based on their similarities and differences. We can use a classification key to group and classify living things like a taxonomist does.

Flowering and Non-Flowering Plants

Plants can be sorted based on whether they are flowering or non-flowering. Flowering plants use flowers to produce seeds at some point in their life cycle, whereas non-flowering plants reproduce using cones, spores and fragmentation.

Flowering plants include deciduous trees, many types of herbs and crop plants.







Non-flowering plants include conifers, mosses, ferns tand liverworts.











Microorganisms

Microorganisms are microscopic **organisms** that can be found almost everywhere on Earth – including inside our bodies.

Bacterium	Virus	Fungus	
cholera bacteria	influenza virus	honey fungus	
single-celled microorganism	very simple structure	can be very small or very large	
found almost everywhere on Earth	scientists often disagree about whether they are alive or not	often have a fruiting body and a network of threads	
can be spherical, rod shaped or curved/spiral	require a host to reproduce	reproduce through releasing spores	

Vertebrate Groups						
Mammal	Bird	Reptile	Amphibian	Fish		
warm-blooded	warm-blooded	cold-blooded	cold-blooded	cold-blooded		
fur or hair give birth to live young	feathers lay eggs beak and	scales or scutes usually lay eggs	usually lay often undergo	live in water scales and fins gills		
produce milk	wings		metamorphosis	9:::0		

Some Invertebrate Groups						
Arthropod Annelid		Mollusc	Echinoderm			
segmented legs include insects, crustaceans and	segmented bodies no legs include	segmented bodies no legs	live in salt water			
arachnids	earthworms and leeches	include slugs and octopuses	include sea stars and sea urchins			



