

Year 4 Science Knowledge Organiser - Living Things and their Habitats.

<u>Word</u>	<u>Definition</u>
Amphibian	A cold blooded vertebrate that can live in water and on land.
Biomes	A natural area of vegetation and animals.
Birds	Warm blooded vertebrates with feathers, pointed beaks and wings.
Carnivore	An animal that eats meat.
Classification Key	A system that divides things into groups or types.
Environment	All the physical surroundings on Earth including everything living and non-living.
Fish	Cold blooded (mainly) vertebrates that can only live in water
Habitat	The natural environment in which an animal or plant lives or grows.
Herbivore	An animal that only eats plants.
Invertebrate	Creature that does not have a spine.
Mammal	A warm-blooded vertebrate that breaths air and grows hair.
Microhabitat	A small part of the environment that supports a habitat.
Omnivore	Person or animal that eats both meat and plants.
Organism	A living thing.
Reproduction	When an animal or plant produces one or more copies of itself.
Reptile	Cold blooded vertebrates
Vegetation	Plants, tres, flowers.
Vertebrates	A creature which has a spine.

Sticky knowledge is in red!

How can living things be grouped?
 All living things which can also be called organisms have to do certain things to stay alive, these are life processes. These are usually put into the acronym MRS GREN:

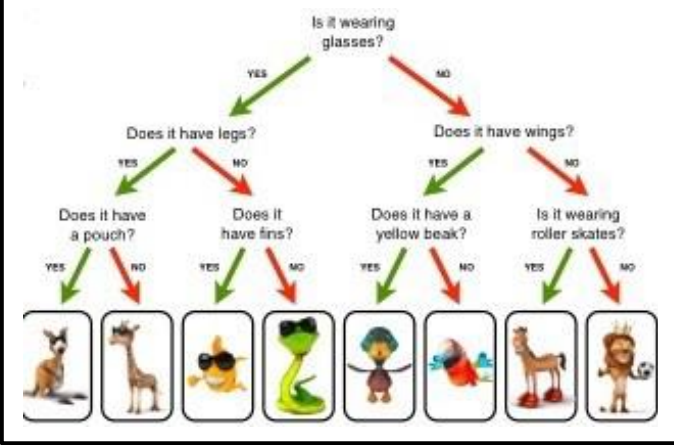
Please see the diagram below to see what each letter represents.



Living things can be grouped according to different criteria - where they live, what type of organism they are or what features they have.



What is a classification Key?
 A classification key is a tool that uses yes or no questions.



How can environments change?	
Natural Changes	This could be caused by flooding, fire, earthquakes etc.
Humans have an impact on environment:	
Positive:	Negative:
<ul style="list-style-type: none"> Setting up nature reserves Tree planting 	<ul style="list-style-type: none"> Littering Deforestation Air pollution

A significant Scientist - Linked to the topic of Living things and their habitats:
Carl Linnaeus (1707-1778):
 A botanist, zoologist and physician, He's most famous for simplifying the naming system scientists use to describe the millions of species on Earth.