

# KNOWLEDGE ORGANISER YEAR 6—Living Things and their Habitats

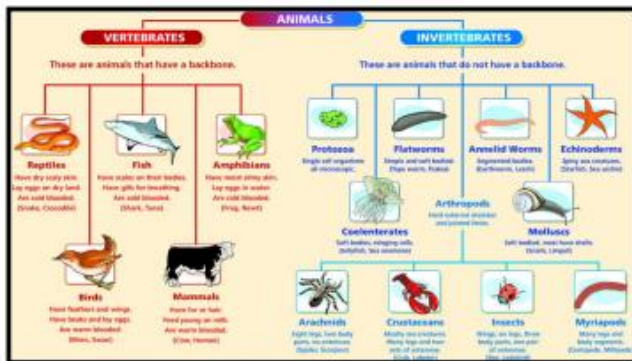


## The 7 Levels of Classification

<b>Kingdom</b>	5 widely accepted kingdoms for classification: monera, protists, fungi, plants and animals.
<b>Phylum</b>	Divisions based on shared physical characteristics among organisms.
<b>Class</b>	Classes are based on very important, and more detailed, similarities.
<b>Order</b>	Orders are based on characteristics listed on a taxonomy key.
<b>Family</b>	Groups of organisms that share certain adaptive traits. They have a common ancestry.
<b>Genus</b>	A way to describe the generic name for an organism.
<b>Species</b>	Species is the specific name given to a living organism.



## Classification of Animals



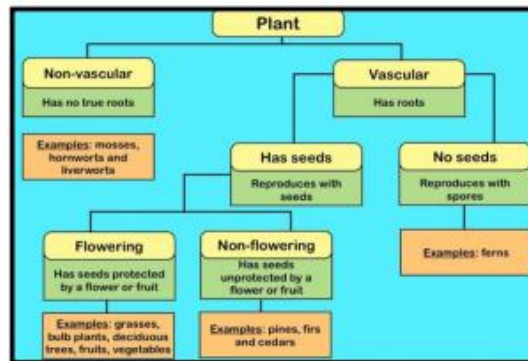
Carolus Linnaeus (1707-1778)  
Father of Classification

## Micro-organisms

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. Microorganisms can be found all around us. They can live on and in our bodies, in the air, in water and on the objects around us. They can be found in almost every habitat.



## Classification of Plants



<b>algae</b>	A single or multi-cellular organism that has no roots, stems or leaves and is often found in water.
<b>bacteria</b>	Tiny little organisms that are everywhere around us.
<b>classification</b>	The arrangement of organisms into orderly groups based on their similarities and presumed evolutionary relationships.
<b>fungi</b>	A classification or group of living organisms. This means they are not animals, plants, or bacteria.
<b>invertebrate</b>	An invertebrate animal does not have a backbone and 97% of creatures belong to this group.
<b>micro-organism</b>	An organism which is microscopic, making it too small to be seen by the human eye.
<b>organism</b>	An individual animal, plant or single-celled life form.
<b>species</b>	A group of closely related organisms that are very similar to each other and are usually capable of producing offspring.
<b>taxonomy</b>	The science of naming, identifying and classifying organisms.
<b>vertebrate</b>	A vertebrate animal is one that has a backbone.
<b>virus</b>	A small infectious agent that replicates only inside the living cells of an organism.