

**Year 6 Science Knowledge Organiser- Living things and their habitats**

**Carl Linnaeus**

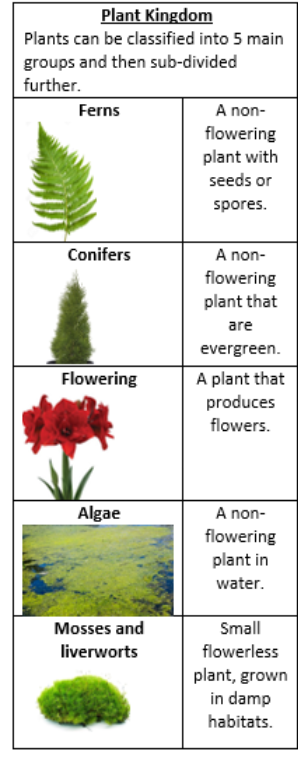
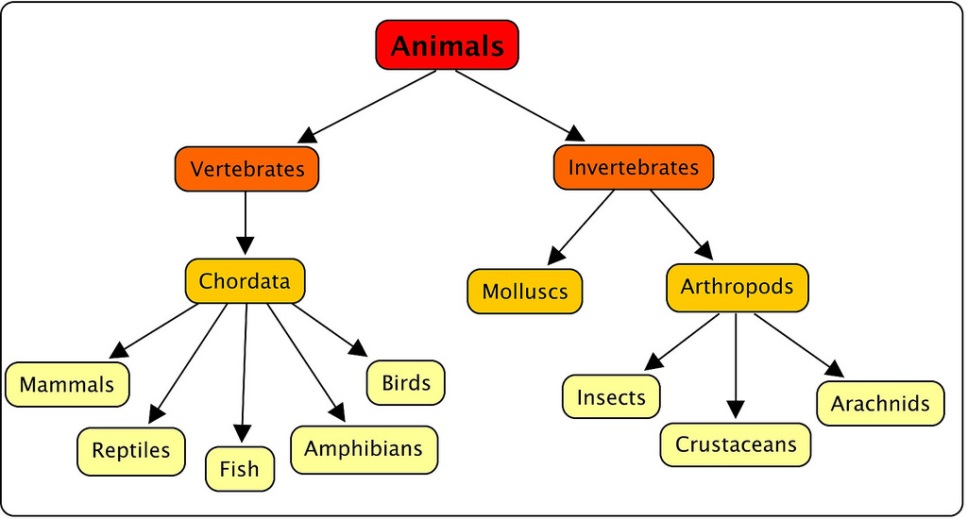
Carl Linnaeus (Carl von Linne), 1707- 1778, Sweden.  
Botanist (scientific study of plants), zoologist (study in the classification of animals) and physician (medical professional).

Created the **binomial nomenclature** system to classify living things (plants and animals).

**How to group living things.**A Kingdom is the highest classification into which living organisms are grouped in Linnean taxonom. The five **kingdoms** in which living things are groups are: **Protista, Monera, Fungi, Plants, and Animals.**These groups are then split into smaller groups.

|  |  |  |  |
| --- | --- | --- | --- |
| **Science Vocabulary Dozen** | | | |
| **Micro-organisms** | A living thing too small to been seen by the human eye. | **Annelids** | An invertebrate that is a segmented worm. |
| **Invertebrate** | Animals without a backbone. | **Arachnid** | Small invertebrate usually with 8 legs. |
| **Vertebrate** | Animals with a backbone or spinal column. | **Species** | A group of living things that are closely related. |
| **Arthropod** | An invertebrate with an exoskeleton an a segmented body. | **Bacteria** | A single celled micro-organism that can live anywhere. |
| **Insect** | A small arthropod animal that has six legs and three body parts. | **Deciduous** | Plants that shed their leaves annually. |
| **Molluscs** | Invertebrate with an unsegmented body that can have a hard shell. | **Coniferous** | Evergreen plants usually with needle-shaped or scale-like leaves, pines or cones. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Animal Kingdom**  Animals can be classified in 2 main groups and then sub-divided further. | | | |
| **Invertebrates**  Animals without a backbone. | **Annelida worms-**earthworms, leech | **Vertebrates**  Animals with a backbone. (chordata) | Bird-  penguin, owl, ostrich, robin |
| **Arthropods**-spiders, ant, butterfly, centipede, crustacean-crab | Fish-  tuna, shark, pike, pufferfish |
| **Molluscs**-Snail, squid, octopus, oysters | Mammal-  bat, dolphin, whale, humans |
| **Flatworm-** moon flatworm, tape worm | Reptile-  snake, crocodile, turtles, geckos |
| **Echinodermata-** starfish, sea urchin, sand dollars | Amphibian-  toad, salamander, frog, newt |



**Branching database- used to classify groups.**