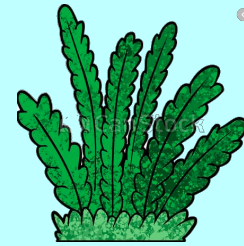
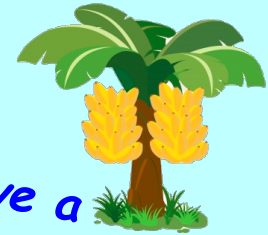


What do we mean by a standard system of classification for plants or animals?



What are its advantages?

Why is it important to have a standard system of classification for plants or animals?



What are its disadvantages?

WALA: who Carl Linnaeus was and learn about his classification system

In the previous lesson you classified animals by sorting and grouping them based on their similarities and differences.



A standard system is useful because it allows scientists to accurately identify, group and properly name animals. Without a standard system, living things could be classified and named differently by different scientists.

What are some of the possible problems that could arise if such a standard system of classification of plants and animals were not in place?



Aristotle 384BC - 322BC

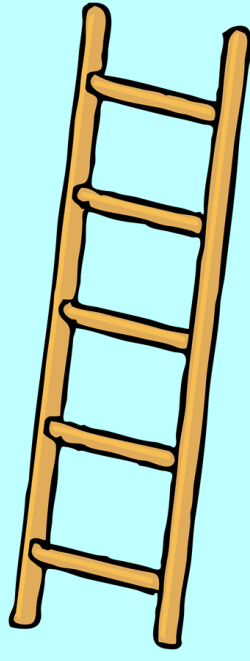
Aristotle was the first person to try and classify living things into groups.

"In all things of nature there is something of the marvellous"



Aristotle's Ladder of Life

Most important ↑



Human Beings

Can think and be creative

Animals

Can move around to search for food
and escape predators
Sensitive to their surroundings

Plants

Usually green and stationary
Can grow and reproduce

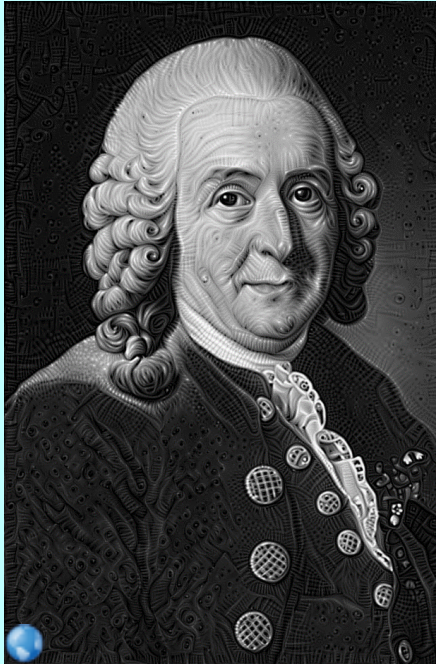
Non-living Things

e.g. rocks

Was Aristotle's
classification fair?

WALA: who Carl Linnaeus was and learn about his classification system

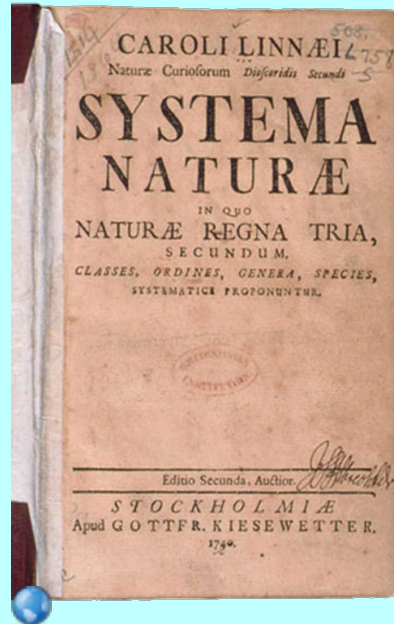
Carolus Linnaeus 1707 - 1778



Linnaeus made it his life's work to develop a way to classify and name all life on Earth.

WALA: who Carl Linnaeus was and learn about his classification system

Carolus Linnaeus 1707 - 1778



In his famous book, *Systema Naturae*, Linnaeus named over 7,700 species using the **binomial system**.

This standardisation of names has been accepted around the world.

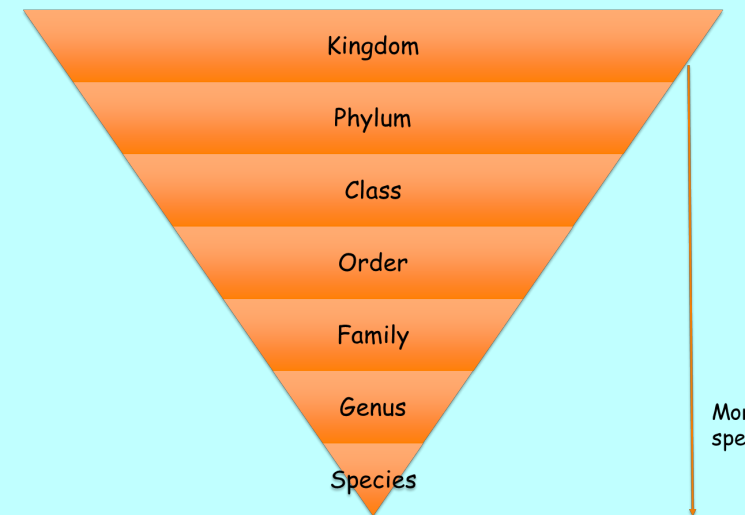
WALA: who Carl Linnaeus was and learn about his classification system

Linnaeus' original system of classification classified everything in nature into a hierarchy.

He proposed that there were three large groups, called kingdoms, into which the whole of nature could fit. These kingdoms were:

- plants,
- animals and
- minerals.

He then split each kingdom into smaller and smaller groups, or levels.



WALA: who Carl Linnaeus was and learn about his classification system

mnemonic

/niˈmɒnɪk/ ←

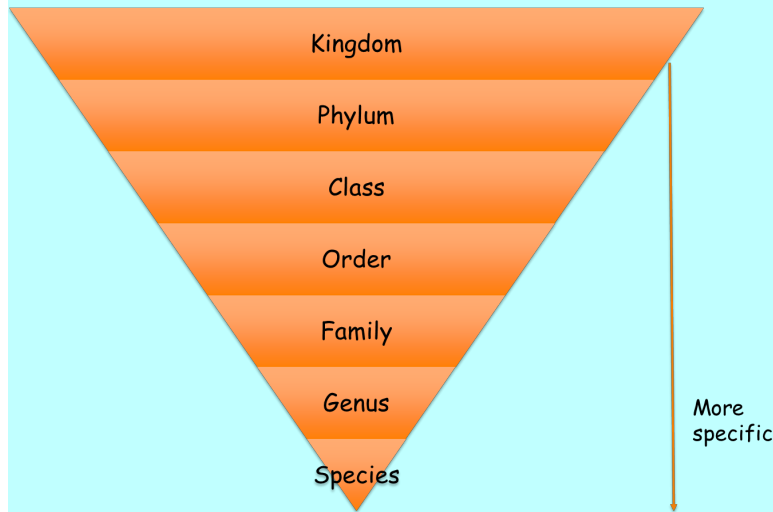
noun

1. a system such as a pattern of letters, ideas, or associations which assists in remembering something.
"the usual mnemonic for star types is O Be A Fine Girl Kiss Me"

adjective

1. aiding or designed to aid the memory.

This phrase will help you remember the order:
Keep ponds clean or frogs get sick



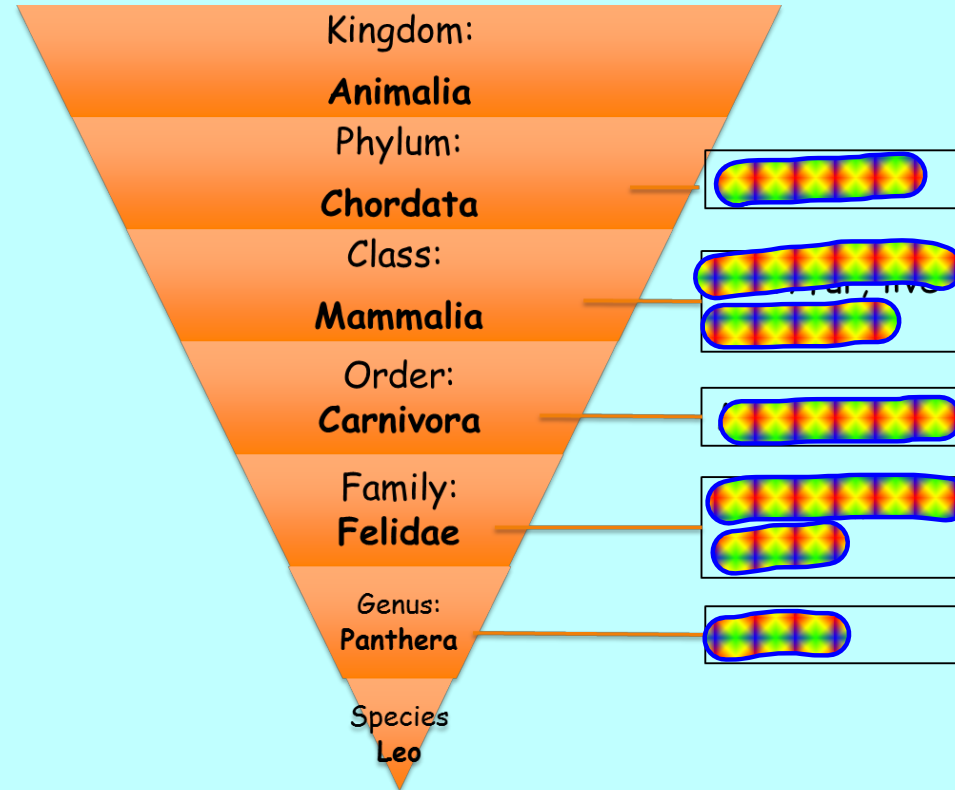
Unfortunately, all the classifications are written in Latin.

WALA: who Carl Linnaeus was and learn about his classification system

Panthera leo



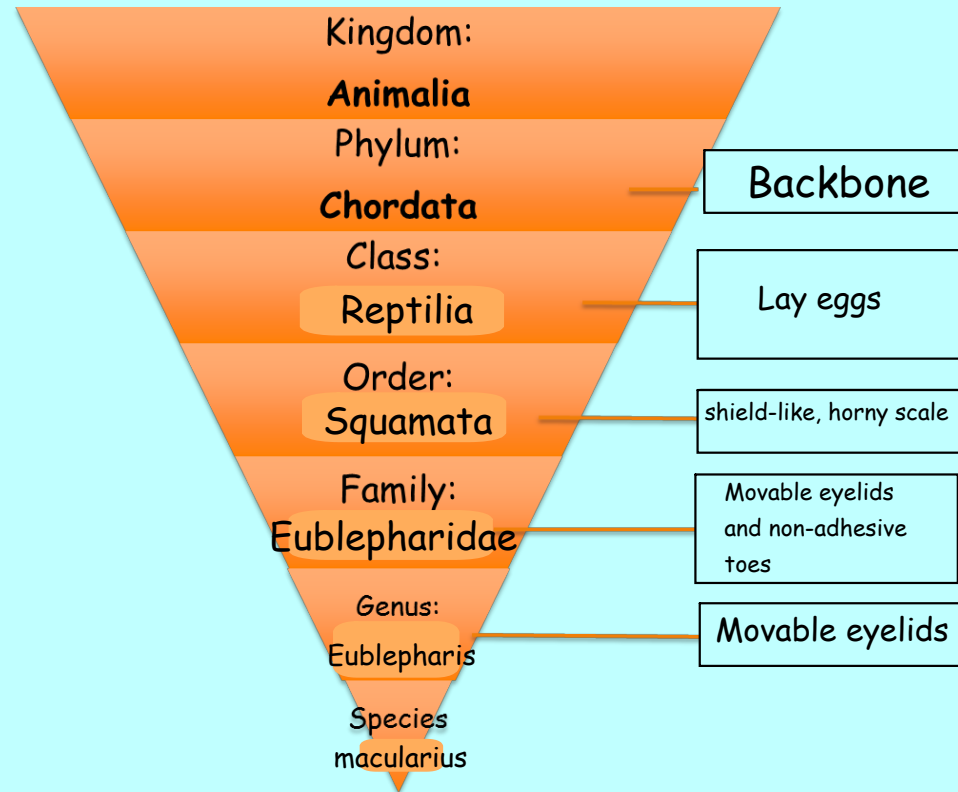
Guess the animal



Eublepharis macularius



Gecko



WALA: who Carl Linnaeus was and learn about his classification system

In your books, create a table. Use the i-Pads to record the classification of these creatures.

This phrase will help you remember the order:

Keep ponds clean or frogs get sick



clownfish



turtle



red-eyed
tree frog

Can you find out what each part of the name represents?

Challenge: write down 5 facts about Carl Linnaeus

