

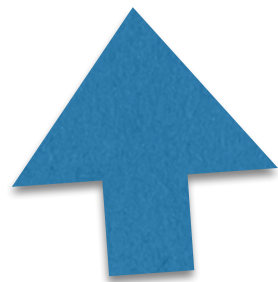
What is Taxonomy?



Classification — grouping to order and organise

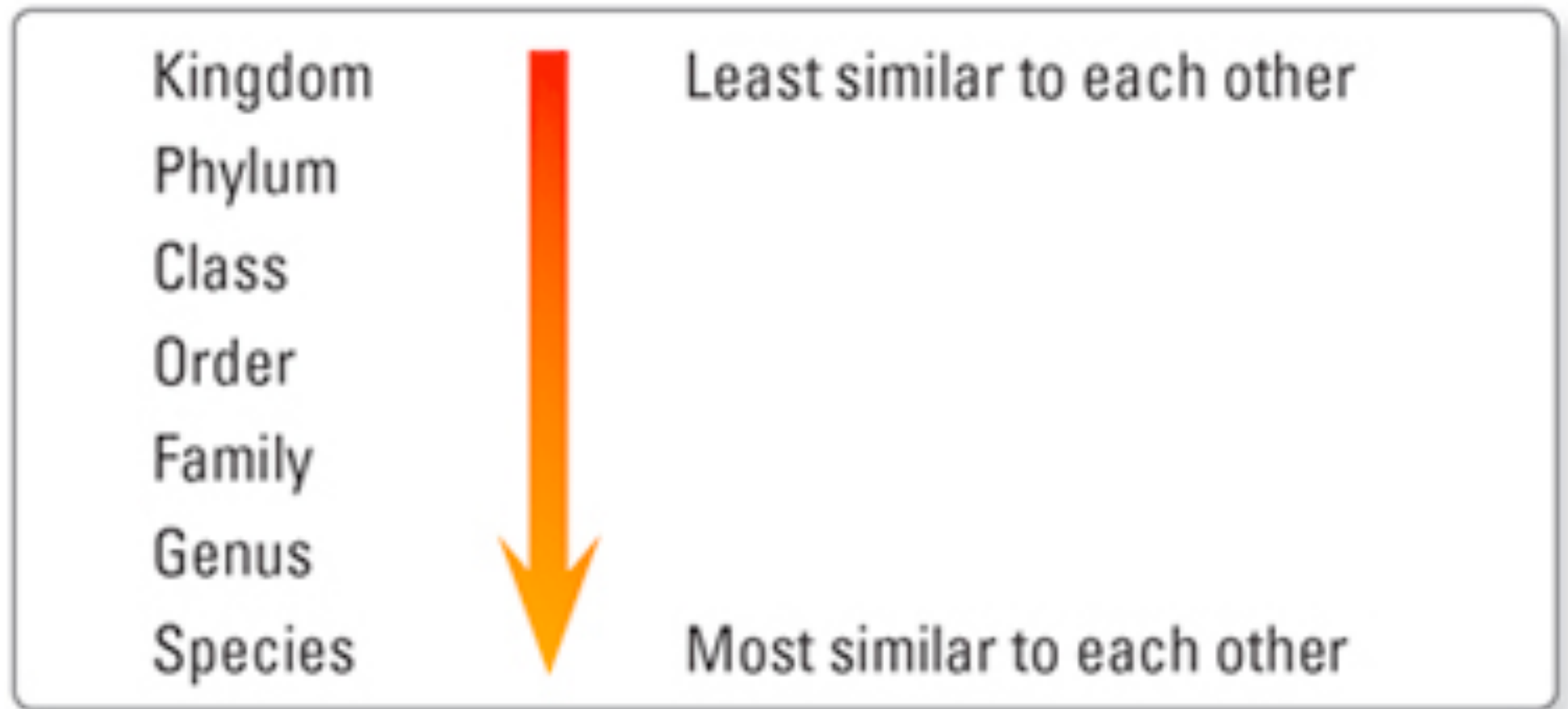
Taxonomy is the formal classification of living things.

A taxonomist is a biologist who specialises in classification.



Carolus Linnaeus (1707–1778)
is considered to be the ‘father
of taxonomy’

Linnaeus sorted organisms into groups based on their physical similarities.
He called the largest grouping kingdoms and the smallest grouping species



Timeline of Classification

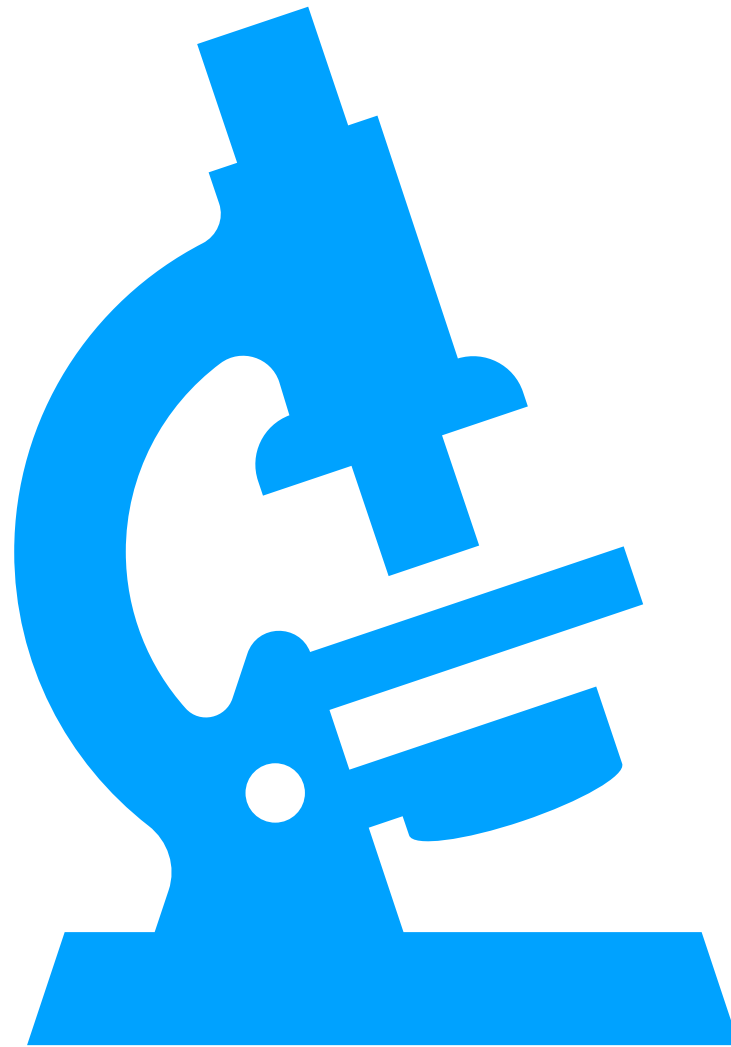
- **In the 1700s, Linnaeus proposed that living things could be grouped into three kingdoms**



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Timeline of Classification

**Invention of the microscope = things were made of cells
all organisms now didn't fit into three kingdoms**



Timeline of Classification

In the 1960s, a five-kingdom system of classification was proposed by ecologist, Robert Whittaker.



Timeline of Classification

- **Carl Woese suggested that instead of five kingdoms, there should be three domains: Archaea, Bacteria (true bacteria) and Eukarya (living things made up of one or more cells with a nucleus).**



Classification systems are still changing?



Use an image of Carolus Linnaeus and the app chatterpix to talk about:

- who he was**
- what is taxonomy**
- when he lived**
- what was his main idea?**

You may like to talk about how his ideas were changed by other scientist such as Woese and Whittaker