

# AQA Biology GCSE

6.4 - Classification

**Flashcards** 

This work by PMT Education is licensed under CC BY-NC-ND 4.0













## What are the classes of organisms as determined by Carl Linnaeus?











What are the classes of organisms as determined by Carl Linnaeus?

Kingdom, phylum, class, order, family, genus, species.











## Which features are living creatures traditionally classified by?











### Which features are living creatures traditionally classified by?

By their structure and characteristics.







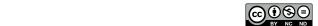


# What is the binomial system of naming organisms?











What is the binomial system of naming organisms?

Genus name followed by species name.









# Why were new classification models proposed?











Why were new classification models proposed?

- Developments in microscopy allowed better examination of internal structures.
- Improvement in understanding of biochemical processes.









### State the three domains.









#### State the three domains.

- Archaea
- Eukarya
- Bacteria











### Which organisms belong in the domain Archaea?









Which organisms belong in the domain Archaea?

Bacteria, usually living in extreme environments.











### Which organisms belong in the domain Bacteria?









Which organisms belong in the domain Bacteria?

Bacteria.











# Which kingdoms belong in domain Eukarya?











### Which kingdoms belong in domain Eukarya?

- Plants
- Animals
- Fungi
- Protists











How are evolutionary trees created?













### How are evolutionary trees created?

By examining the DNA of different species and analysing how similar the sequences are.







