



You can remember this by 'King Philip
Cooks On Four Gas Stoves'

Kingdom → Phylum → Class → Order → Family → Genus → Species

6.4 CLASSIFICATION OF LIVING ORGANISMS

Linnaean system

Linnaean system classified organisms using structure and characteristics

Not accurate – animals in the same environment can evolve to look similar, despite being very different genetically (e.g. rabbits and hares)

Originally classified based on physical characteristics and behavioural similarities

Developments in classification

Developments in technology meant that internal cell structure could be seen and genome sequencing could occur, which makes classification much more accurate. Organisms are now grouped by how close their genomes are.

Developed by Carl Linnaeus

Three domain system

Includes protists, fungi, plants and animals

Eukaryota

Bacteria

Developed by Carl Woese

Archaea

Primitive bacteria

Live in extreme environments

AQA

