

Classification of living organisms

List the Linnaean groups in order.

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What is the binomial system?

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Name the three domains in Woese's system.

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Why was the three-domain system developed?

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What is an evolutionary tree?

Naming organisms using their genus and species, for example *Homo sapiens*. The genus has a capital letter; the species does not.

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

Better microscopes showed internal structures, biochemical understanding progressed, and chemical analysis provided new evidence.

Archaea (primitive bacteria in extreme environments), bacteria (true bacteria) and eukaryota (protists, fungi, plants and animals).

A method showing how scientists believe organisms are related, using classification data for living organisms and fossil data for extinct ones.