

Classification and biodiversity Define classification.	Classification and biodiversity Define species.
Classification and biodiversity Taxonomic hierarchy in order.	Classification and biodiversity Name the three domains.
Classification and biodiversity What evidence led to the three-domain system?	Classification and biodiversity Name three human threats to biodiversity.
Classification and biodiversity Define biodiversity.	Classification and biodiversity Define endemism.

A group of similar organisms that can interbreed to produce fertile offspring.

Organising the variety of life into groups based on relationships, using differences and similarities in phenotypes and genotypes.

Archaea, Bacteria and Eukarya.

Domain, kingdom, phylum, class, order, family, genus, species.

Habitat destruction, climate change, pollution, overexploitation, introduced species.

Molecular evidence (such as rRNA sequences) showing Archaea differ from Bacteria, evaluated and accepted by the scientific community.

A species found in only one geographical region and nowhere else.

The variety of living organisms in an area (species, genetic and habitat diversity).

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What is species richness?

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Formula for heterozygosity index.

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Formula for index of diversity.

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**What do N and n mean in the formula
for D?**

Number of heterozygotes $\div$ number of individuals in the population.

The number of different species in a habitat.

N = total number of organisms of all species; n = number of organisms of each species.

$$D = N(N - 1) \div \sum n(n - 1).$$