

- Having scientific names is beneficial because there is only one for each organisms

The Tree of Life

- The tree of life depicts all known organisms that live on Earth.
- This includes three domains and six kingdoms

Cladograms

- Cladograms are diagrams that can show the relationship between organisms (like a phylogenetic tree)
- In cladograms, a clade is a group of organisms that includes an ancestor and all of its descendants
- A shared character is a feature that all members of a group have in common
- A derived character is a feature that evolved only within the group under consideration

Evolution of Cladograms

- Older cladograms were designed to group organisms based on their shared physical traits
- However, with advances in DNA technology, most cladograms are designed to group organisms based on their shared genetic make up.

Characteristics of Kingdoms

- On printed table