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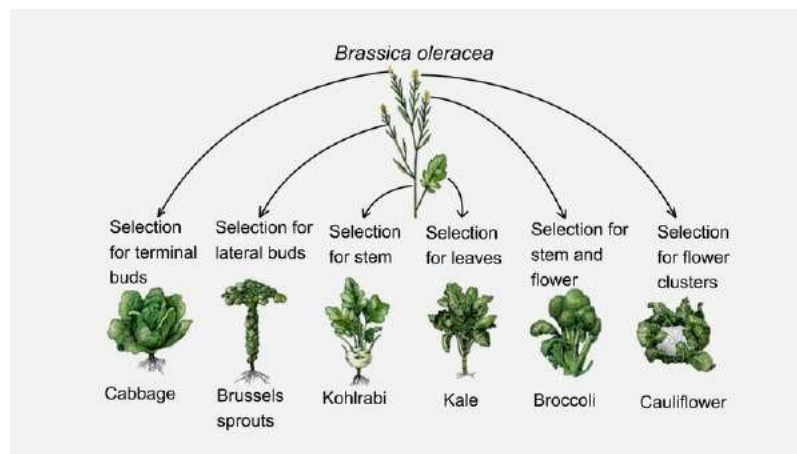
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Sub. Biology

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### Artificial selection

- Sometimes a single species can evolve into several different species due to artificial selection.
- E.g. the cabbage family. A single ancestor in the cabbage family gave rise to several different species due to the selection of different traits.



*Artificial selection in the cabbage family*

### Molecular phylogeny

- The evolutionary relationship among different biological species is called phylogeny.
- It gives rise to an evolutionary tree.
- In molecular phylogeny these relationships are studied at the hereditary molecular level, mainly using DNA sequences.
- It involves the analysis of DNA composition and gene comparison between different species.

# Human Evolution

## Human evolution

- Humans are known to belong to the primate family.
  - Humans today have a very close genetic connection to chimps and other primates.
  - While the complete evolutionary process of Humans from Primates is still a mystery, a larger picture of human evolution has been formed.
  - Some of the ancestors of Humans include Dryopithecus, Ramapithecus, Australopithecus, Homo erectus, Homo sapiens neanderthalensis, Cro-magnon man, and finally us, the Homo sapiens.
- Human evolution traces back to Africa. Then they migrated all over the world.