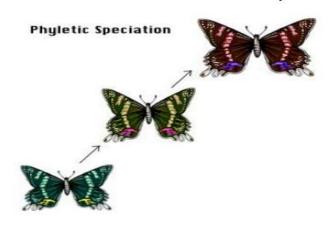
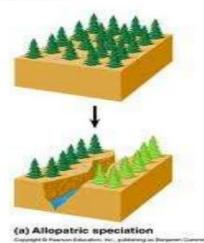
Ch. 1 Heredity and Evolution

Speciation

What is speciation?

· The formation of new species.





A species is a population of organisms consisting of similar individuals which can breed together and produce fertile offspring.

The process by which new species develop from existing special is known as speciation.

Important factors which could lead to for that on of new species are:

- Geographical isolation of a population which leads to reproductive isolation que a which there is no flow or genes between separated groups of countion.
- ➤ Genetic drift due to drastic changes in the frequencies of particular genes by chance alone.
- > Variations caused in individuals due to natural selection.

Home work

I. Short notes:

- 1. Lamarckism
- 2. Darwin's Theory of natural selection

II. Read the following statements and justify same in your own words with the help of suitable examples.

a. Geographical and reproductive isolation of organisms gradually leads to speciation.