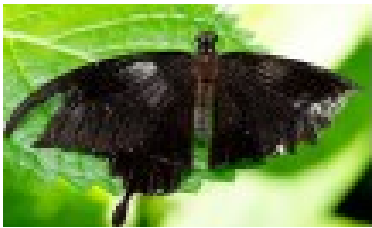


Variation

Inheritance

Adaptations

Variation is differences between individuals of a species.
Environmental variation is caused by our lifestyles and surroundings such as scars.



Inherited variation is caused by the genes inherited from parents, such as eye colour. Living things produce offspring of the same kind but often appear different to the parents.



Adaptation is a characteristic that helps an organism to survive in its habitat. Sometimes the inherited variation may help an individual to survive in its habitat.



Natural selection

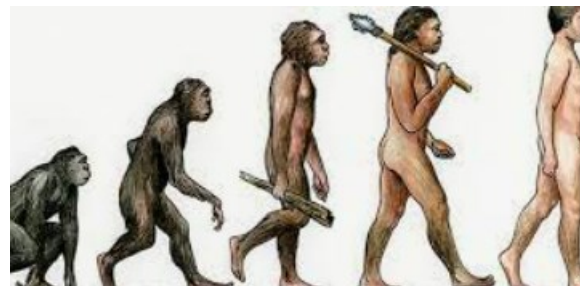
Evolution

Evidence for evolution

Natural selection (survival of the fittest): the process where living things that are better adapted to their habitat survive and produce more offspring with these characteristics.



If characteristics of natural selection continue to be useful for survival, the species may change over time. If a new species is significantly different from its ancestors, it is said to have evolved.



Fossils the remains or traces of an animal or plant that lived long ago. They provide information about living things that inhabited the Earth millions of years ago.

