





## **Process of Natural Selection**

VARIATION



brown green

There is a genetic variation within a population which can be inherited

COMPETITION



Overproduction of offspring leads to competition for survival

**ADAPTATIONS** 



Individuals with beneficial adaptations are more likely to survive to pass on their genes

SELECTION



there is a change in allele frequency (evolution)

VOCABULARY

Fossil

Palaeontologist

Anthropologist

Adaptation

Variation

Evolution

Inheritance

**Natural Selection** 

Species

Extinct

Wallace Line

Theory

The preserved remains of an organism (plant or animal)

A scientist who studies fossils

A scientist who studies the origins of mankind

Process of changing to suit a particular environment

Difference between living things within a species e.g. hair colour

A change over a long period of time

Passing on characteristics from parent to offspring

The most beneficial characteristics get passed down to later aenerations

Organisms with similar characteristics

A species that no longer exists in nature

Imaginary boundary separating the animal life of Asia and Australia

A thought-out explanation based on observations

Darwin's Finches



## **Charles Darwin**

Naturalist, biologist and geologist. He proposed that all species of life have descended over time from common ancestors. Wrote 'The Origin of the Species.'



## **Alfred Wallace**

Naturalist, biologist and anthropologist. He proposed the theory of evolution and natural selection independent of Charles Darwin.

