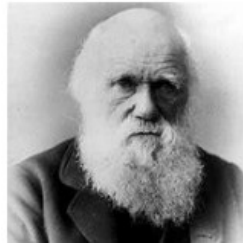




Evolution by natural selection

The theory of evolution by natural selection was proposed by Charles Darwin.

Organisms within a species show a wide range of variation, due to their genes (inherited by their parents) and their environment.



Natural selection occurs through the following steps:

- Individuals within a species show a genetic variation.
- The individuals with the characteristics that means they are better adapted to their environment will survive
- These useful genes are passed onto the next generation.

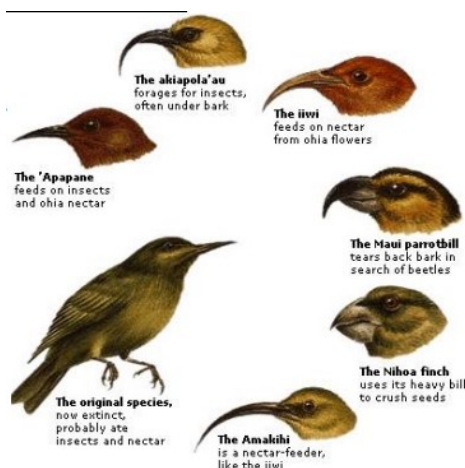
This process occurs over a large number of generations.

Alfred Wallace co-published the theory of evolution by natural selection with Charles Darwin. He travelled the world and studied plants and animals. His ideas were very important in developing how we think about nature today.



Darwin's Finches Adaption

Darwin's finches are an excellent example of the way in which species' gene pools adapt for long term survival. Their beaks have evolved over time to be best suited to obtaining food.



Inheritance

Are you ever told that you look like your parents? This is because we inherit features and characteristics from them e.g. our natural hair and eye colour, our height or

Key Vocabulary

Fossils	Preserved remains of a living thing from the past.
Adaptation	The process of change so that an organism or species can become better suited to their environment.
Environment	The surroundings or conditions in which a person, animal or plant
Evolution	The process by which different kinds of living organisms are believed to have developed from earlier forms during the history of the Earth.
Inherit	To gain a quality, characteristic of predisposition genetically from a parent or ancestor
Ancestor	A person from who one is descended.
Offspring	A person's/animal's child or children.
Breeding	The mating and production of offspring by animals

What I can do at home

Learn	Draw or print off an animal and/or plant and label the characteristics that have allowed them to adapt to their
Investigate	What have you inherited from your parents? Example: eye colour, dimples, etc., but how are you different from your

Communicate

Talk to an adult at home about the things below. You don't need to record this.

How does evolution support the idea that everything is made in God's image?