

Science Knowledge Organiser

Evolution and Inheritance

Year 6
Autumn 2



Key Vocabulary

evolution inheritance adaptation variation Natural Selection
Charles Darwin genes DNA offspring species environment

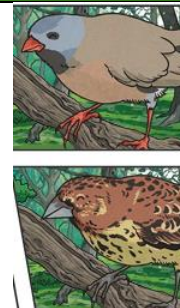
Inherited Traits

Eye colour is an example of an **inherited trait**, but so are things like hair colour, the shape of your earlobes and whether or not you can smell certain flowers.

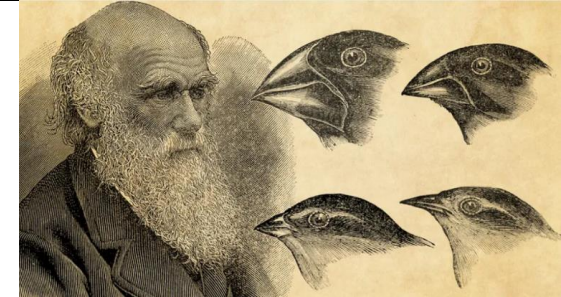


Adaptive Traits

Characteristics that are influenced by the environment the living things live in. These **adaptions** can develop as a result of many things such as food and climate.



Charles Darwin (1809–1882)



Charles Darwin (1809–1882) was a scientist who developed the theory of evolution by natural selection. In 1831, he sailed on the HMS Beagle and studied animals and plants around the world, especially on the Galápagos Islands. He noticed that species had different features depending on their environment. His book *On the Origin of Species* was published in 1859 and changed how scientists understand how living things evolve over time.