



## Vocabulary

**classify/classification** to put into groups according to observable characteristics

**adapt/adaptation** the way in which an animal or plant is suited to where it lives

**species** a group of living things that can breed with one another

**characteristics** a distinguishing feature of a living organism

**variation** differences between living things of the same species

**environment** the surroundings or conditions in which a person, animal, or plant lives or operates

**extinct/extinction** the species that once lived on earth but does so no longer

**fossil/fossilisation** the remains or impression of a prehistoric plant or animal embedded in rock and preserved

**evolve/evolution** the theory that all the kinds of living things that exist today developed from earlier types.

**natural selection** is the process in which organisms change over time to have the anatomy, the functions and behaviour that they have

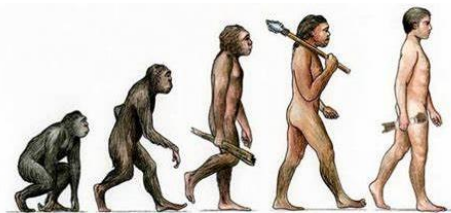
# Biology

## Science Y6: Evolution, Inheritance and Natural Selection

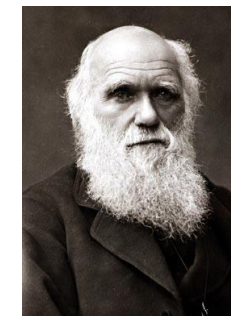
### Key images and knowledge

#### To understand:

- that adaptation is about how well suited an organism is to survive in the habitat in which it lives
- the habitat determines the features that are needed in order for that organism to survive
- that the characteristics of an organism can change over time
- there are factors that contribute to the extinction of an organism
- there is evidence (in the form of fossils) to show that organisms change over time
- how the work of Mary Anning and Charles Darwin have contributed greatly to the field of science
- that the theory of evolution happens because of natural selection



## Scientists



**Charles Darwin**  
1809-1882  
Pioneer behind the theory of evolution



**Mary Anning**  
1799-1847  
Fossil collector and palaeontologist

### Links to prior learning and next steps:

Y3 Rocks and Soils (how fossils are formed)

Y1-Y6 Living things and their habitats

### Links to other subjects:

English: guided reading and extended writing