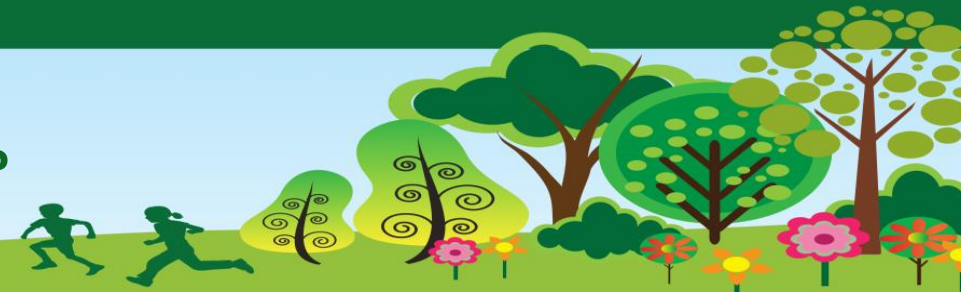


# Knowledge Organiser- SCIENCE (BIOLOGY)-YEAR 6- Autumn 1 - 2024

## EVOLUTION AND INHERITANCE – What is the theory of evolution?



### STICKY KNOWLEDGE

|   |   |   |
|---|---|---|
| <p>Offspring vary from their parents due to genetic variation. This is the reason why offspring are not identical to their parents.</p> | <p>Animal adaptations are the ways in which animals have evolved to better survive in their environments. Adaptations develop over many generations through the process of natural selection.</p> | <p>Plants have evolved a range of adaptations that allow them to survive in a wide variety of environments. These often develop over many generations through the process of natural selection.</p> |
| <p>Fossils are the preserved remains or traces of living organisms from the past.</p>   | <p>Charles Darwin was an English naturalist and was famous for his work on evolution and natural selection.</p>   | <p>Human evolution is the evolutionary process that led to the development of modern humans, <i>Homo sapiens</i>.</p>   |

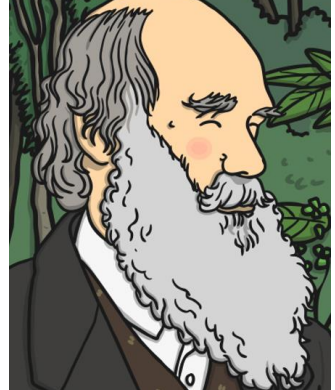


### KEY VOCABULARY

|                   |   |
|-------------------|---|
| Inherit           | When features are passed on from parents to offspring                       |
| Adaptation        | Changes or special features of a living thing to help it live in a habitat  |
| Fossil            | The remains or impression of a prehistoric plant or animal embedded in rock |
| Charles Darwin    | An English naturalist, best known for his theory of evolution               |
| Evolved           | How living things gradually change over time                                |
| Natural selection | Survival and reproduction of the fittest                                    |

### Key Scientist:

## Charles Darwin



Charles Darwin was a famous naturalist, who studied plants and animals. He was best known for his theory of evolution.

**Mary Anning** – A famous palaeontologist (a scientist that studies the remains of plants and animals) who discovered fossils on the Jurassic Coast.

