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| Vocabulary | |
| Variation | Natural difference between living things in a species. |
| Genes | Genes that are passed on to you determine many of your traits, such as your hair colour and skin colour. |
| Advantageous | Advantageous means involving or creating favourable circumstances that increase the chances of success or effectiveness. |
| Evolution | The process by which living things gradually change over time. |
| Species | A group of organisms that have common characteristics and can breed. |
| Natural selection | The process where organisms that are most suited to their environment are more likely to reproduce and pass on these adaptations to the next generation. |
| Inheritance | The process of passing on characteristics, such as eye colour, from parents to their offspring. |

Charles Darwin observed that although individuals in a species shared similarities, they were not exact copies of each other. He noticed that there were small differences or variations between them.

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| Sticky knowledge |
| Evolution is the way that living things change over time. |
| Evolution is a scientific theory used by biologists. It explains how living things changed over a long time, and how they have come to be the way they are. |
| The gradual change of species over millions of years can be observed by looking at examples of fossils. |
| Living things change over time and this gradual change is called evolution. |
| There is natural variation within a species. There is also competition to survive and reproduce. Members of a species with advantageous characteristics survive and reproduce. These characteristics are passed down to their offspring. |
| Offspring vary and are not identical to their parents. |
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Objectives

-recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents

-identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution

-recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago

