

Offspring Animals and produce plants offspring that are similar but not identical to them. Offspring often look like their parents because features are

Variation In the same way that there is variation between parents and their offspring, you can see variation within any species, even plants.



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





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



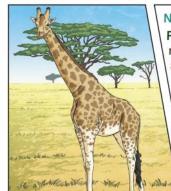




environments.



Evolution, **Adaptation and Inheritance**



Natural Selection

Fossils of giraffes from millions of years ago show that they used to have shorter necks. They have gradually evolved through natural selection to have longer necks so that they can reach the top leaves on taller trees.

Key Vocabulary			
offspring	The young animal or plant that is produced by the reproduction of that species.		
inheritance	This is when characteristics are passed on to offspring from their parents.		
variations	The differences between individuals within a species.		
characteristics	The distinguishing features or qualities that are specific to a species.		
adaptation	An adaptation is a trait (or characteristic) changing to increase a living thing's chances of surviving and reproducing.		
habitat	Refers to a specific area or place in which particular animals and plants can live.		
environment	An environment contains many habitats and includes areas where		

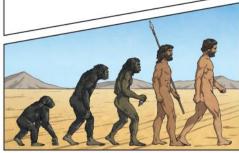
living things.

there are both living and non-

Fossils are the preserved remains, or partial remains, of ancient animals and plants. Fossils let scientists know how plants and animals used to look millions of years ago. This is proof that living things have evolved over time.



Evolution is the gradual process by which different kinds of living organism have developed from earlier forms over millions of years. Scientists have proof that living things are continuously evolving - even today!



Living	Things	Habitat		Adaptive Traits
polar bear		arctic		Its white fur enables it to camouflage in the snow.
camel		desert		It has wide feet to make it easier to walk in the sand.
cactus	K	desert		It stores water in its stem.
toucan	7	rainforest		Its narrow tongue allows it to eat small fruit and insects.