

Evolution and Inheritance

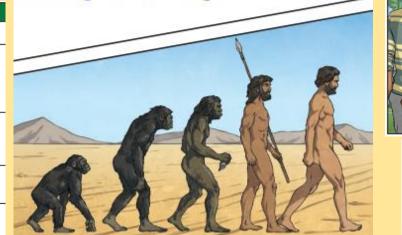
What should we

already know?

I know about variation. I know that living things can be classified I know about habitats and that animals adapt to them.



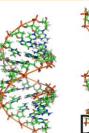
Evolution is the gradual process by which different kinds of living organism have developed from earlier forms over millions of years. Scientists have proof that living things are continuously evolving - even today!

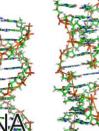


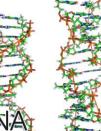


Offspring Animals

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





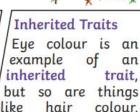








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but so are things like hair colour, the shape of your earlobes and whether or not you can smell certain flowers.

1	Key Vocabulary		Key Vocabulary	
	offspring	The young animal or plant that is	evolution	Adaptation over a very long time.
		produced by the reproduction of that species.	natural selection	The process where organisms that are better adapted to their
	·	This is when characteristics are passed on to offspring from		environment tend to survive and produce more offspring.
		their parents.	fossil	The remains or imprint of a prehistoric plant or animal, embedded in rock and preserved.
	variations	The differences between individuals within a species.		
┝	characteristics The distinguishing features of qualities that are specific to a species.		adaptive traits	Genetic features that help a living thing to survive.
		inherited traits	These are traits you get from your parents. Within a family, you	
	•	An adaptation is a trait (or characteristic) changing to increase		will often see similar traits, e.g. curly hair.
		a living thing's chances of surviving and reproducing.		Natural Selection Fossils of giraffes from millions of years of show that they used have shorter necks. The
	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 there are both living and non- living things.		have gradually evolution to have long necks so that the can reach the

the asternation of when

es from ars ago used to ks. They evolved natural longer at they the top can reach leaves on taller trees.

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.



