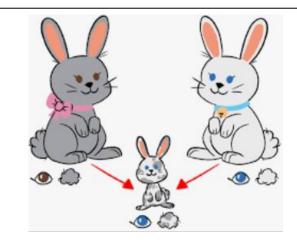


Key Vocabulary

inheritance	The process of passing on features from parents to offspring
adaption	The process of change by which an organism or species becomes
	better suited to its environment
organism	An individual animal, plant, or single-celled life form
evolution	The process by which living things can gradually change over
	time
variation	Variation is the differences between individuals of the same
	species, caused by genetic and environmental factors
species	A group of living things with very similar characteristics. They
	can breed together to make more living things of the same type
palaeontologist	Scientists who study plants and animals that lived millions of years ago
Charles Darwin	A scientist who studied nature. He is known for his theory of evolution by natural selection
genetics	The study of how genes and how traits are passed down from one generation to the next
environmental traits	Characteristics formed from habitat or human experiences
offspring	The young animal or plant that is produced by the reproduction
	of that species.

Inheritance

Inheritance is when a living thing reproduces and passes on genetic information to its offspring. For example, when parents have offspring, they pass on their physical traits. The offspring inherit their parents' qualities. This means that most offspring look like their parents but they are not identical. The offspring may take characteristics from the father, the mother or a mixture of both.





Fossil

A fossil is the preserved remains of an organism, either animal or plant, that has been in the earth for millions of years. The organism dies and gets buried under multiple layers of rock and silt - as the flesh degrades the bones remain and a fossil is left behind. Palaeontologist spend their lives digging up fossils and use these to study and create theories about how different creatures lived and moved throughout history. Some of the fossils that they discover are millions of years old.