## Evolution – knowledge organiser

Key knowledge	
What is	The process by which different kinds of living
evolution?	organism are believed to have developed from
	earlier forms during the history of the earth
What is a fossil?	Fossils provide evidence for evolution
	<ul> <li>They can be imprints left behind</li> </ul>
	Or formed when animals die under the right
	conditions
Living things prod	uce offspring of the same kind – humans have human
babies and Horse	s produce horse
Offspring are not	identical to parents
onsping are not	
DNA carries genetic material from parent to offspring	
0	
Adaptation can lead to evolution	
Scientists we need to know about	
5 facts about	• Charles Darwin was born in England on the 12th
Charles Darwin	of February 1809
	<ul> <li>His 1859 book 'On the Origin of Species',</li> </ul>
	detailed much of his research on natural
	selection
	<ul> <li>He got many of his ideas whilst on a 5 year</li> </ul>
	voyage on HMS Beagle. On this voyage, Darwin
	visited the Galapagos Islands.
	<ul> <li>He dropped out of medical school – he hated</li> </ul>
	the sight of blood
	Darwin is buried inside Westminster Abbey

**Evolution** 



<u>Fossils</u>



Adaptation



## Key Vocabulary

Adaptation – The process of change so that an organism or species can become better suited to their environment Body fossil – Preserved remains of the body of the actual animal or plant itself

Breeding – The mating and production of offspring by animals

DNA - DNA is the material that carries all the information about how a living thing will look and function. Each piece of information is carried on a different section of the DNA. These sections are called genes.

Environment – The surroundings or conditions in which a person, animal, or plant lives

Evolution – The process by which different kinds of living organism are believed to have developed from earlier forms during the history of the earth

Fossil – The remains or impression of a prehistoric plant or animal embedded in rock and preserved

Inherit – To gain a quality, characteristic or predisposition genetically from a parent or ancestor

Offspring – A person's child or children/ an animal's young

Reproduction – The production of offspring by a sexual or asexual process

Selective breeding – The process by which humans use animal breeding and plant breeding to develop selective characteristics by choosing particular animals and plants

Trace fossil – Indirect evidence of life in the past such as the footprints, tracks, burrows, borings and waste left behind by animals