

## Stanley Road Primary School - Year 6 Term 6 : Evolution and Inheritance

Vocabulary		The Process of Evolution		An Example of Natural Selection: Peppered Moths
<b>evolution</b>	Gradual change in an organism's characteristics over many generations	1. More organisms are born than can survive.		1. Light-coloured moths were common
<b>inheritance</b>	Passing on characteristics to offspring	2. These individuals all have slight variations between them.		2. During the Industrial Revolution (1760 – 1840) coal burning covered the moth's habitats in black soot
<b>organisms</b>	An animal or plant.	3. Some of these variations are helpful and improve an organism's chance of survival		3. This gave the dark coloured moths a greater chance of survival because they had better camouflage than the light moths
<b>characteristics</b>	A feature or quality belonging to a person or animal	4. Those that survive pass their characteristics onto their offspring.		4. Many light-coloured moths died as they were easily spotted by their prey
<b>offspring</b>	The young of an animal or the seedling of a plant	5. Over time these helpful variations are passed on to the next generation.		5. Dark coloured moths became more common
<b>generation</b>	The time between when an organism comes into being and when it reproduces	6. This process takes thousands of years and can't be seen from one generation to the next.		6. As pollution has reduced over time the light-coloured moths have now become more common again
<b>breed</b>	Produce offspring	<b>Charles Darwin</b>		<b>Darwin's Journey on the HMS Beagle</b>
<b>variation</b>	A change or slight difference	<i>Dates</i>	1809 - 1882	
<b>genes</b>	Part of a cell of a living thing which controls its physical characteristics	<i>Famous Book</i>	On the Origin of Species	
<b>Natural Selection</b>	The process where organisms that are better adapted to their environment survive and produce more offspring	<i>Famous Achievement</i>	Developed the theory of evolution which attempts to explain why there are different species of animals	
<b>adaptation</b>	Changing to become better suited to their environment	<i>Quote</i>	"A man who dares to waste one hour of time has not discovered the value of life."	
<b>cell</b>	The basic building block of living things. Every animal or plant is made of millions of these.	<i>Famous Voyage</i>	HMS Beagle (1831- 1836) Visited the Galapagos Islands	