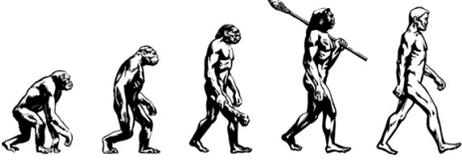
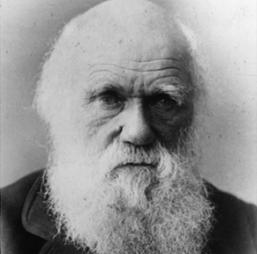


What I should I already know	The process of evolution	Vocabulary	
<ul style="list-style-type: none"> All living things need food, water, air and a habitat to survive. Living things reproduce and produce offspring. Living things live in habitats and micro habitats that meet their basic needs. Offspring inherit characteristics from their parents. 	 <ol style="list-style-type: none"> More organisms are born than can survive. These individuals all have slight variations between them. Some of these variations are helpful and improve an organism's chance of survival Those that survive pass their characteristics onto their offspring. Over time these helpful variations are passed on to the next generation. This process takes thousands of years and can't be seen from one generation to the next. 	<p>evolution</p> <p>Gradual change in an organism's characteristics over many generations</p>	<p>inheritance</p> <p>Passing on characteristics to offspring</p>
<p>Key facts</p>	<p>An example of natural selection: Peppered moths</p>	<p>organism</p> <p>An animal or plant.</p>	<p>characteristics</p> <p>A feature or quality belonging to a person or animal</p>
<p>Charles Darwin 1809 - 1882</p>  <ul style="list-style-type: none"> He said that all species of life have descended over time from common ancestors. Charles Darwin published a book on his theory of Natural Selection in 1859. 	<ol style="list-style-type: none"> Light-coloured moths were common During the Industrial Revolution (1760 – 1840) coal burning covered the moth's habitats in black soot This gave the dark coloured moths a greater chance of survival because they had better camouflage than the light moths Many light-coloured moths died as they were easily spotted by their prey Dark coloured moths became more common As pollution has reduced over time the light-coloured moths have now become more common again. 	<p>offspring</p> <p>The young of an animal or the seedling of a plant</p>	<p>generation</p> <p>The time between when an organism comes into being and when it reproduces</p>
<p>Mary Anning 1799-1847</p>  <ul style="list-style-type: none"> Mary Anning is remembered as one of the greatest fossil hunters to have ever lived. She spent months uncovering the body of her first fossil, a marine reptile that swam in the time of the dinosaurs. 		<p>breed</p> <p>Produce offspring</p>	<p>variation</p> <p>A change or slight difference</p>
		<p>genes</p> <p>Part of a cell of a living thing which controls its physical characteristics</p>	<p>Natural Selection</p> <p>The process where organisms that are better adapted to their environment survive and produce more offspring</p>
		<p>adaptation</p> <p>Changing to become better suited to their environment</p>	<p>cell</p> <p>The basic building block of living things. Every animal or plant is made of millions of these.</p>