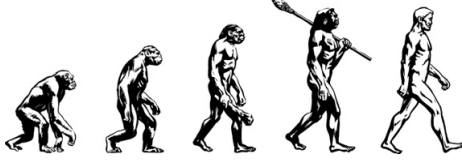
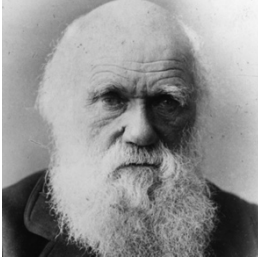




What I should I already know		The process of evolution		Vocabulary	
<ul style="list-style-type: none"> <li>All living things need food, water, air and a habitat to survive.</li> <li>Living things reproduce and produce offspring.</li> <li>Living things live in habitats and micro habitats that meet their basic needs.</li> <li>Offspring inherit characteristics from their parents.</li> </ul>		 <ol style="list-style-type: none"> <li>1. More organisms are born than can survive.</li> <li>2. These individuals all have slight variations between them.</li> <li>3. Some of these variations are helpful and improve an organism's chance of survival</li> <li>4. Those that survive pass their characteristics onto their offspring.</li> <li>5. Over time these helpful variations are passed on to the next generation.</li> <li>6. This process takes thousands of years and can't be seen from one generation to the next.</li> </ol>		<b>evolution</b> Gradual change in an organism's characteristics over many generations	
<b>Key facts</b>				<b>inheritance</b> Passing on characteristics to offspring	
<b>Charles Darwin</b> 1809 - 1882 <ul style="list-style-type: none"> <li>He said that all species of life have descended over time from common ancestors.</li> </ul> 				<b>organism</b> An animal or plant.	
<b>Mary Anning</b> 1799-1847  <ul style="list-style-type: none"> <li>Mary Anning is remembered as one of the greatest fossil hunters to have ever lived.</li> <li>She spent months uncovering the body of her first fossil, a marine reptile that swam in the time of the dinosaurs.</li> </ul>		<b>An example of natural selection: Peppered moths</b>  <ol style="list-style-type: none"> <li>1. Light-coloured moths were common</li> <li>2. During the Industrial Revolution (1760 – 1840) coal burning covered the moth's habitats in black soot</li> <li>3. This gave the dark coloured moths a greater chance of survival because they had better camouflage than the light moths</li> <li>4. Many light-coloured moths died as they were easily spotted by their prey</li> <li>5. Dark coloured moths became more common</li> <li>6. As pollution has reduced over time the light-coloured moths have now become more common again.</li> </ol>		<b>characteristics</b> A feature or quality belonging to a person or animal	
				<b>offspring</b> The young of an animal or the seedling of a plant	
				<b>generation</b> The time between when an organism comes into being and when it reproduces	
				<b>breed</b> Produce offspring	
				<b>variation</b> A change or slight difference	
				<b>genes</b> Part of a cell of a living thing which controls its physical characteristics	
				<b>Natural Selection</b> The process where organisms that are better adapted to their environment survive and produce more offspring	
				<b>adaptation</b> Changing to become better suited to their environment	
				<b>cell</b> The basic building block of living things. Every animal or plant is made of millions of these.	