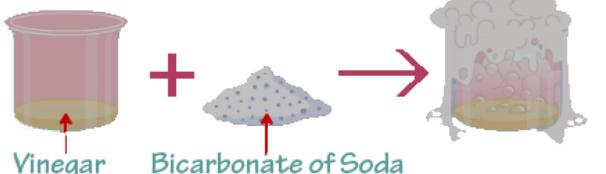
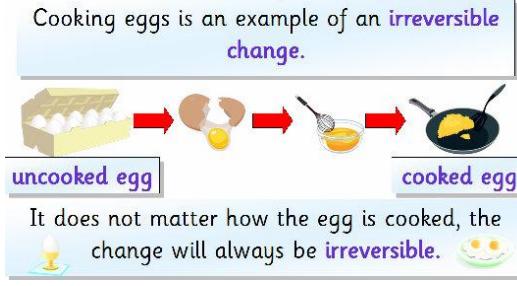


Mighty Oaks: Amazing Changes Knowledge Organiser

Subject vocabulary		Some changes that cannot be reversed.	Key facts to know by the end of this unit
Irreversible change	A change that cannot be undone. In an irreversible change, new materials are formed.	<ul style="list-style-type: none"> When wood burns you cannot get it back again. It becomes smoke and ash. 	When vinegar and bicarbonate of soda are mixed, a gas is produced.
chemical change	A change that happens when substances react with one another to create a different substance	<ul style="list-style-type: none"> When iron rusts this change is irreversible. 	When a candle is lit, although the wax melts first, it then releases a gas which burns, making this an irreversible change.
rust	a reddish- or yellowish-brown flaking coating that forms on the surface of iron when exposed to air and moisture		Cooking causes an irreversible change caused by heat. Often liquids can become solids, such as flour, salt and water being baked to create salt dough or cooking an egg.
reaction	When different materials meet and combine to create new substances.		Burning is an irreversible change. The heat from the fire causes some materials to melt before burning. Dangerous gases can be released when some materials burn.
burning	a specific type of chemical change, particularly in fuels		You can spot an irreversible change by looking for: <ul style="list-style-type: none"> Fizzing or bubbling to show a gas is produced The colour changes A liquid becomes solid (heating will not return it to a liquid) A smell is produced The substances become warmer or cooler.
liquid	Liquids change their shape according to the container they are in	<p>Cooking Eggs</p> 	
burning	An irreversible change caused by extreme heat / fire.		