

What are chemical reactions used for? Cards

Chemical reactions are used to make new materials	Chemical reactions are important in biological systems		
	Chemical reactions can be used as energy sources		
	enzymes $\text{glucose} \rightarrow \text{carbon dioxide} + \text{water}$		
		$\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O}$	$n(\text{ethene}) \rightarrow \text{polyethene}$
			$1,2\text{-diaminohexane} + \text{hexanedioic acid} \rightarrow \text{nylon-6,6}$
			$\text{octane} + \text{oxygen} \rightarrow \text{carbon dioxide} + \text{water}$

Plants use energy from the sun to convert water and carbon dioxide into glucose and oxygen.
This process is known as photosynthesis.



To make a moulded item out of polyurethane, the two liquid components (polyisocyanate and polyol) are mixed together in exactly the right masses.
The exothermic reaction takes a minute.

