

# Destination Chemistry

Dr Robert Johnson



## Chemistry

Medicinal Chemistry & Chemical Biology

Chemistry and Maths Education

Chemistry with Sustainable & Environmental Chemistry



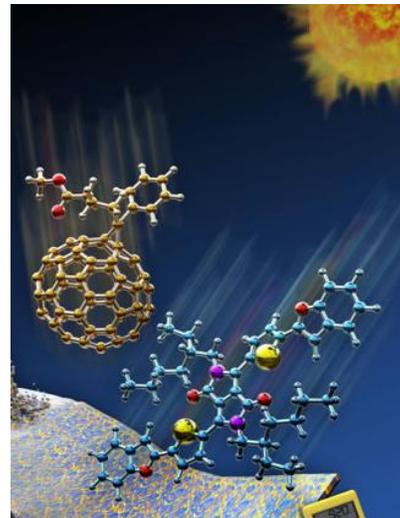
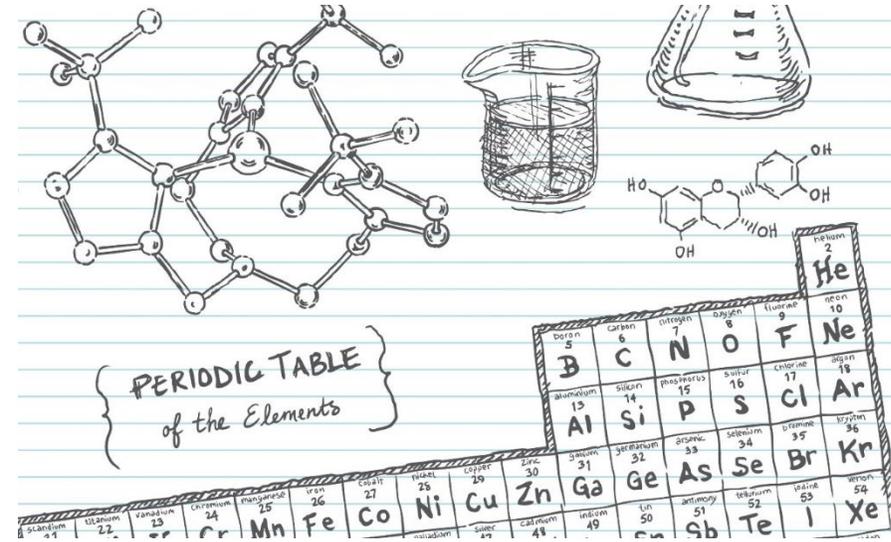
Stage 2 Advisory Session

# Chemistry



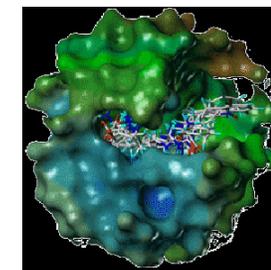
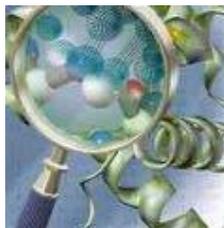
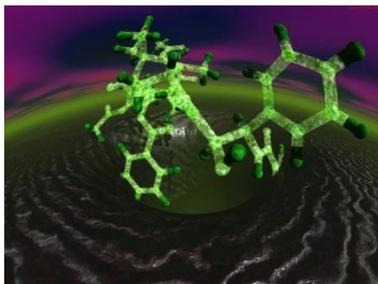
## • Chemists

- **Investigate** the natural world, e.g. they study the structures and properties of naturally occurring substances in the environment and in living things.
- **Invent** new substances to **solve problems**, e.g. they design and synthesise new medicines and **new materials**



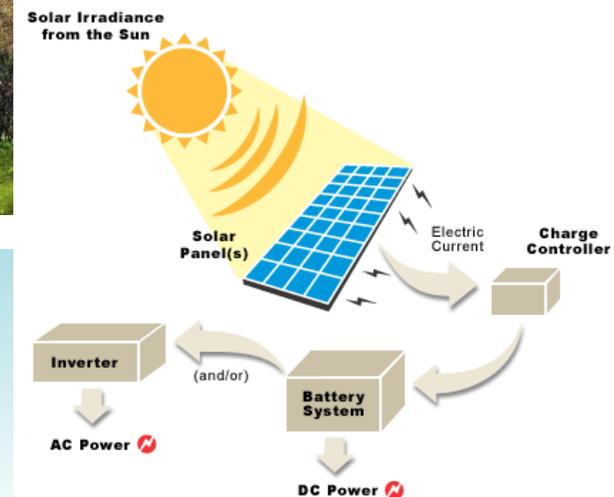
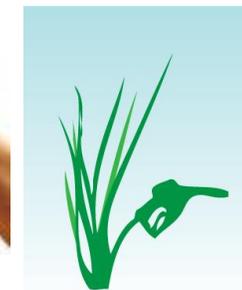
It's easy to overlook how reliant we are on the products made by chemists!

# Medicinal Chemistry & Chemical Biology



- a) Provides an understanding of **chemical basis of biology** and can be described as the “Chemistry of Life and Medicine”
- b) Our **chemical biologists and medicinal chemists** will also develop the next generation of medicines and vaccines.

# Chemistry with Environmental & Sustainable Chemistry



## Environmental & Sustainable chemists:

- measure and **minimise** the detrimental effects of industrial processes on the environment
- use **sustainable** resources to drive our transport, energy and production sectors without decreasing our living standards.

# Chemistry in Year 2



	Autumn	Spring
<b>BSc Chemistry</b>	<b>CHEM20080</b> Basis of Physical Chemistry	<b>CHEM20120</b> Physical Chemistry Level 2
	<b>CHEM20100</b> Basis of Inorganic Chemistry	<b>CHEM20140</b> Introductory Transition Metal
	<b>CHEM20040</b> Organic Chemistry Level 2	
<b>BSc Medicinal Chemistry and Chemical Biology</b>		<b>CHEM20050</b> MedChem and ChemBio (level 2)
<b>BSc Chemistry with Environmental &amp; Sustainable Chemistry</b>		<b>CHEM20110</b> Env & Sustainable Chem.

DENISCO



# Huge Opportunities



Wyeth

Baxter



Bristol-Myers Squibb

