

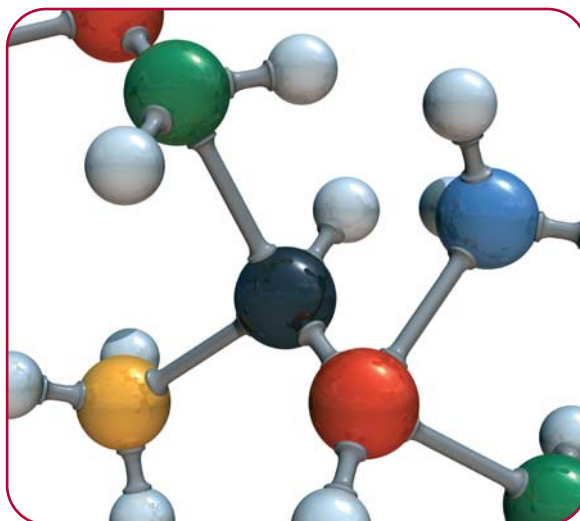


# AS/A Level Chemistry B (Salters)

(Available for teaching from September 2008)

**In contrast to the traditional 'topic-based' approach, Chemistry B (Salters) is 'context-**

**led'.** Chemical concepts are introduced within a relevant context, the course being written as a series of units based on contemporary issues in Chemistry. Students study the chemistry in a spiral way so that chemical ideas, introduced in an early topic, are reinforced later. The 'drip-feed' approach to teaching and learning chemical principles allows candidates to revisit a particular topic several times during the course, each time taking their knowledge and understanding a step further.



## What are the benefits to me and my students of delivering this OCR specification?

- This specification has been developed in consultation with University of York Science in Education Group (UYSEG), the Royal Society of Chemistry, GlaxoSmithKline and a large variety of teachers in OCR Centres throughout the country.
- It is the only A level Chemistry specification based on a complete course package, with integrated course books and activity sheets designed at the same time as the specification.
- There is a back-up service available from University of York Science in Education Group.
- This specification is uniquely different from other A Level specifications because:
  - it starts from applications and develops the theory as required
  - it introduces chemical topics in one unit and then revisits them in later units, so that student learning has a chance to mature and is then reinforced
  - all external units in the examination ask all the questions in context
  - there is an Advance Notice article included in an AS unit which can be studied, researched and discussed by students well in advance of the unit test
  - A2 students undertake a four-week Chemical Investigation of their own choice.

## AS Level

Mandatory/Optional?	Unit title and description	Assessment method and weighting
Mandatory	<b>F331: Chemistry for Life</b> <ul style="list-style-type: none"><li>• The Elements of Life</li><li>• Developing Fuels</li></ul>	1 hour 15 mins written exam AS Level – 30% A Level – 15%
Mandatory	<b>F332: Chemistry of Natural Resources</b> <ul style="list-style-type: none"><li>• Elements from the Sea</li><li>• The Atmosphere</li><li>• The Polymer Revolution</li></ul>	1 hour 45 mins written exam AS Level – 50% A Level – 25%
Mandatory	<b>F333: Chemistry in Practice</b> <ul style="list-style-type: none"><li>• AS internal assessment</li></ul>	Internal assessment AS Level – 20% A Level – 10%

## A2 Level

Mandatory/Optional?	Unit title and description	Assessment method and weighting
Mandatory	<b>F334: Chemistry in Materials</b> <ul style="list-style-type: none"><li>• What's in a Medicine?</li><li>• The Materials Revolution</li><li>• The Thread of Life</li><li>• The Steel Story</li></ul>	1 hour 30 mins written exam A Level – 15%
Mandatory	<b>F335: Chemistry by Design</b> <ul style="list-style-type: none"><li>• Agriculture and Industry</li><li>• Colour by Design</li><li>• The Oceans</li><li>• Medicines by Design</li></ul>	2 hour written exam A Level – 20%
Mandatory	<b>F336: Chemistry Individual Investigation</b> <ul style="list-style-type: none"><li>• A2 internal assessment</li></ul>	Internal assessment A Level – 15%

### How is this qualification assessed?

Two units at AS and A2 level are assessed through written examination.

One unit at AS and A2 level are assessed through internal assessment.

All written paper units are available in both January and June series.

Practical skills units are available in the June series only.

### Dates of first examinations

#### AS

Chemistry for Life – Jan 2009

Chemistry of Natural Resources – Jun 2009

Chemistry in Practice – Jun 2009

#### A2

Chemistry of Materials – Jan 2010

Chemistry by Design – Jun 2010

Chemistry Individual Investigation – Jun 2010

### What support will I receive?

#### Training

A series of OCR courses to introduce the new specification will be available as well as an annual INSET programme to support teachers and provide feedback on recent examinations.

#### Publishers

Developed in close consultation with OCR, Heinemann is publishing materials for the 2008 A Level Chemistry B (Salters) specification.

#### Resources

You will be able to download all the following resources from the OCR website – [www.ocr.org.uk](http://www.ocr.org.uk)

- Schemes of Work
- Teachers' and Technicians' guide
- Sample Assessment Materials.

This specification is also supported by the UYSEG website, visit [www.york.ac.uk/org/seg/salters/chemistry](http://www.york.ac.uk/org/seg/salters/chemistry)

For more information please contact the OCR Customer Contact Centre  
on **01223 553998**, or visit [www.ocr.org.uk](http://www.ocr.org.uk)