

## Guidance on the use of past paper questions for Higher Chemistry

The Curriculum for Excellence Higher Courses draw on the strengths of popular areas of study from the existing Higher, with the introduction of some new content. The purpose of this support document is to help centres and departments to identify suitable past paper questions/items that could be used, or possibly amended, to support learners in their preparation for sitting question papers (exams) as part of the Higher Course assessment. The advice in this document reflects questions selected from 2011 to 2013 [past papers](#). If you click on the highlighted links in the columns below, this will take you to the relevant past paper.

When utilising any past paper questions, you need to take into account the following:

- ◆ You must select questions that provide the learners with the same level of challenge as those in the Higher Specimen Question Paper.
- ◆ You may be able to use questions as published or with amendments as suggested in the columns below.
- ◆ You must use questions that adhere to the Higher General Marking Principles and reflect the form of detailed Marking Instructions as published in the Higher Specimen Question Paper.

If any change to a question/items is necessary, you must ensure that:

- ◆ The style and structure matches the Specimen Question Paper for Higher
- ◆ Marking of the learner's response to the question adheres to the General Marking Principles in the Higher Specimen Question Paper
- ◆ Marking Instructions are amended to reflect the style of the Higher detailed Marking Instructions.

The details below should be read in conjunction with the relevant:

Mandatory documentation:

- ◆ Course Specification
- ◆ Unit Specifications
- ◆ Course Assessment Specification

Advice and guidance:

- ◆ Course and Unit Support Notes

Assessment:

- ◆ Question Paper Component:
  - general assessment information
  - general marking principles and detailed marking instructions

Related Information as provided in the relevant N5- Higher Course Comparison Document.

**Key for the section below:**

C — amend context as required

S — amend source as required

St — amend question style

Str — amend structure of the question

SQP - Specimen question paper

Not all topics/areas of study will appear every year due to the sampling techniques used in producing question papers.

<b>Information from the Course Assessment Specification</b> Each Section of the question paper will be made up of restricted/extended response questions. Questions will <b>sample</b> the knowledge and understanding and apply skills described in the <b>Further mandatory information on Course coverage section.</b>	<b>The columns below identify additional support questions from Higher and Revised Higher Past Papers 2011 to 2013.</b>	
	<b>Higher</b>	<b>Revised Higher</b>
	Amend question style/structure	Use question as published
<b>Chemical Changes and Structure</b>		
<b>Controlling the rate</b>	<u><a href="#">2010</a></u> <u><a href="#">SecA Q4, Q7, Q8</a></u> <u><a href="#">SecB Q5b</a></u>  <u><a href="#">2009</a></u> <u><a href="#">SecA Q7</a></u> <u><a href="#">SecB Q11a</a></u>	<u><a href="#">2013</a></u> <u><a href="#">SecA Q25, Q26</a></u>  <u><a href="#">2012</a></u> <u><a href="#">SecA Q24, Q25</a></u>  <u><a href="#">SQP2011</a></u> <u><a href="#">SecA Q24, Q25, Q26</a></u> <u><a href="#">SecB Q5b(ii)</a></u>
<b>Periodicity</b>	<u><a href="#">2010</a></u> <u><a href="#">SecA Q9, Q10, Q14</a></u> <u><a href="#">SecB, Q11a(i)</a></u>  <u><a href="#">2009</a></u> <u><a href="#">SecA Q3, Q10, Q11,</a></u> <u><a href="#">SecB Q1, Q11b</a></u>	<u><a href="#">2013</a></u> <u><a href="#">SecA Q1, Q2, , Q7</a></u> <u><a href="#">SecB Q1a</a></u>  <u><a href="#">2012</a></u> <u><a href="#">SecA Q2</a></u> <u><a href="#">SecB Q1</a></u>  <u><a href="#">SQP2011</a></u> <u><a href="#">SecA Q1, Q2, Q3</a></u> <u><a href="#">SecB Q1b,c</a></u>
<b>Structure and bonding</b>	<u><a href="#">2010</a></u> <u><a href="#">SecA Q11, Q12, Q13</a></u> <u><a href="#">SecB Q7a</a></u>	<u><a href="#">2013</a></u> <u><a href="#">SecA Q4, Q5, Q6, Q14,</a></u> <u><a href="#">SecB Q3a, 4d(OE), 7b(i)</a></u>

	<a href="#">2009</a> <a href="#">SecA Q9, Q12, Q13, Q14, Q16</a>	<a href="#">2012</a> <a href="#">SecA Q1, , Q6, Q7, Q16 SecBQ4a, Q6b, Q7, Q10a, Q15(OE),</a>  <a href="#">SQP2011</a> <a href="#">SecA Q4, Q5, Q6</a> <a href="#">SecB Q2a2b, Q10b(ii)</a>
<b>Nature's Chemistry</b>		
<b>Esters, fats and oils</b>	<a href="#">2010</a> <a href="#">SecA Q19, Q28, Q29</a>  <a href="#">2009</a> <a href="#">SecA Q29</a> <a href="#">SecB Q3b</a>	<a href="#">2013</a> <a href="#">SecA Q10, Q11, Q12</a> <a href="#">SecB Q1b</a>  <a href="#">2012</a> <a href="#">SecA Q11, Q12, Q13</a> <a href="#">SecB Q9a(i), Q10b(i)</a>  <a href="#">SQP2011</a> <a href="#">SecA Q10, , Q18</a> <a href="#">SecB Q3ab, Q4a</a>
<b>Proteins</b>	<a href="#">2010</a> <a href="#">SecA Q30</a> <a href="#">SecB Q9a</a>  <a href="#">2009</a> <a href="#">SecB Q5a</a>	<a href="#">2013</a> <a href="#">SecA Q13</a> <a href="#">SecB Q6a(i)(ii)</a>  <a href="#">2012</a> <a href="#">SecA Q12, Q14, Q15</a> <a href="#">SecB Q9a(ii)(iii)</a>  <a href="#">SQP2011</a> <a href="#">SecA Q11, Q12</a> <a href="#">SecB Q8b(ii)</a>
<b>Chemistry of cooking</b>	<a href="#">2010</a> <a href="#">SecB Q7b, Q9c</a>  <a href="#">2009</a>	<a href="#">2013</a> <a href="#">SecA Q15, Q17</a> <a href="#">SecB Q4a, Q12(OE)</a>

	<a href="#">SecA Q22C, Q25C</a> <a href="#">SecB Q3a(ii) Q9c</a>	<a href="#">2012</a> <a href="#">SecA Q17</a> <a href="#">SecB Q4b, Q12b(ii)</a>  <a href="#">SQP2011</a> <a href="#">SecA Q17</a> <a href="#">SecB Q8a</a>
<b>Oxidation of food</b>	<a href="#">2010</a> <a href="#">SecA Q20, Q22</a>  <a href="#">2009</a> <a href="#">SecA Q25</a> <a href="#">SecB Q9a, Q10b</a>	<a href="#">2013</a> <a href="#">SecA Q8, Q9, Q16</a> <a href="#">SecB Q6a(iii)</a>  <a href="#">2012</a> <a href="#">SecA Q17, Q18</a> <a href="#">SecB Q11a, Q14a</a>  <a href="#">SQP2011</a> <a href="#">SecA Q8, Q9, Q15, Q16</a> <a href="#">SecB Q3c, Q4b, Q5a, Q6a, Q8b(iii), Q10a, Q13(OE)</a>
<b>Soaps, detergents and emulsions</b>		<a href="#">2013</a> <a href="#">SecA Q18</a> <a href="#">SecB Q4b</a>  <a href="#">2012</a> <a href="#">SecB Q14b</a>  <a href="#">SQP2011</a> <a href="#">SecA Q18</a> <a href="#">SecB Q5c(i),</a>
<b>Fragrances</b>		<a href="#">2013</a> <a href="#">SecA Q19</a>  <a href="#">2012</a> <a href="#">SecA Q19</a> <a href="#">SecB Q4c(OE)</a>

		<a href="#">SQP2011</a> <a href="#">SecB Q4c</a>
<b>Skin care</b>		<a href="#">2013</a> <a href="#">SecB Q2a</a>  <a href="#">2012</a> <a href="#">SecB Q13b</a>  <a href="#">SQP2011</a> <a href="#">SecB Q2c(i)(ii)</a>
<b>Chemistry in Society</b>		
<b>Getting the most from reactants</b>	<a href="#">2010</a> <a href="#">SecA Q3, Q5, Q17,</a> <a href="#">SecB Q3b, Q10b, Q12a</a>  <a href="#">2009</a> <a href="#">SecA Q6, Q18, Q19,</a> <a href="#">SecB, Q8c, Q10c</a>	<a href="#">2013</a> <a href="#">SecA Q20, Q21, ,</a> <a href="#">SecB Q5, Q7a(ii), , Q9,</a>  <a href="#">2012</a> <a href="#">SecA Q20, Q23 SecB, Q10b(ii), Q10c,</a>  <a href="#">SQP2011</a> <a href="#">SecA Q19, Q21, Q22,</a> <a href="#">SecB Q5b(i), Q6b(ii), Q7d(i), Q9a(i).</a>
<b>Equilibria</b>	<a href="#">2010</a> <a href="#">Sec A Q33, Q34</a> <a href="#">Sec B Q3a</a>  <a href="#">2009</a> <a href="#">Sec A Q33, Q34</a> <a href="#">SecB Q8b</a>	<a href="#">2013</a> <a href="#">SecA Q, Q22, Q23, Q24</a> <a href="#">Sec B Q8b, Q 11c</a>  <a href="#">2012</a> <a href="#">Sec A Q21 Sec B Q13c</a>  <a href="#">SQP2011</a> <a href="#">Sec A Q22,Q23 Sec B Q7b</a>
<b>Chemical energy</b>	<a href="#">2010</a> <a href="#">SecA Q32</a> <a href="#">SecB Q8c, Q14a(iii)</a>	<a href="#">2013</a> <a href="#">SecA Q27, Q28</a> <a href="#">SecB Q3b, Q8a</a>

	<u><a href="#">2009</a></u> <u><a href="#">SecA Q8, Q32</a></u> <u><a href="#">SecB Q6, Q15b</a></u>	<u><a href="#">2012</a></u> <u><a href="#">SecA Q26, Q27, Q28</a></u> <u><a href="#">SecB Q3, Q11b</a></u>  <u><a href="#">SQP2011</a></u> <u><a href="#">SecA Q27, Q28, Q29</a></u> <u><a href="#">SecB Q2c(iii), Q6c, Q10b(i)</a></u>
<b>Oxidising or reducing agents</b>	<u><a href="#">2010</a></u> <u><a href="#">SecA Q39</a></u> <u><a href="#">SecB Q16b(ii)</a></u>  <u><a href="#">2009</a></u> <u><a href="#">SecA Q2, Q37</a></u> <u><a href="#">SecB Q18a</a></u>	<u><a href="#">2013</a></u> <u><a href="#">SecA Q7</a></u> <u><a href="#">SecB Q2b, Q10a</a></u>  <u><a href="#">2012</a></u> <u><a href="#">SecA Q8, Q9</a></u> <u><a href="#">SecB Q1a(iii), Q5b, Q13a</a></u>  <u><a href="#">SQP2011</a></u> <u><a href="#">SecA Q7</a></u> <u><a href="#">SecB Q2c(iv), Q7a,7c</a></u>
<b>Chemical analysis</b>	<u><a href="#">2010</a></u> <u><a href="#">SecB Q16a, Q16b(i)</a></u>	<u><a href="#">2013</a></u> <u><a href="#">SecB Q6d, Q10b</a></u>  <u><a href="#">2012</a></u> <u><a href="#">SecA Q29,</a></u> <u><a href="#">SecB Q6c, Q9b)</a></u>  <u><a href="#">SQP2011</a></u> <u><a href="#">SecB Q9a(ii)(iii), Q11</a></u>

## Resources

SQA past papers

[www.sqa.org.uk/pastpapers/findpastpaper.htm](http://www.sqa.org.uk/pastpapers/findpastpaper.htm)

Additional Higher assessment support material is available here:

Education Scotland

[www.educationscotland.gov.uk/](http://www.educationscotland.gov.uk/)

Glow

[www.educationscotland.gov.uk/usingglowandict/](http://www.educationscotland.gov.uk/usingglowandict/)

Glow Log-in

<https://secure.glowscotland.org.uk/login/login.htm>