

Please read the instructions printed at the end of this form. **One** of these sheets, suitably completed, should be attached to the assessed work of **each** candidate.

Unit Title	10 Synthesising Organic Chemicals				Unit Code	G629	Session	Jan / June	Year	2	0	0
Centre Name								Centre Number				
Candidate Name								Candidate Number				
Evidence: evidence of your investigation in to synthesising organic chemicals.												
Criteria								Teacher Comment			Page No.	
AO1(a).1: You will demonstrate a basic knowledge and understanding of the classification of organic compounds, Identification of functional groups and isomerism; [0 1]	AO1(a).2: You will demonstrate a knowledge and understanding of the classification of organic compounds, identification of all listed functional groups and the importance of isomerism; [2]	AO1(a).3: You will demonstrate thorough knowledge and understanding of the classification of organic compounds, identification of functional groups within molecules and the importance of isomerism linked to specific examples. [3]										
										Mark		
AO1(b).1: You will show understanding of some reaction types, using appropriate nomenclature and examples, and in some cases relating them to specific functional groups; [0 1]	AO1(b).2: You will show understanding of many reaction types given in the unit specification, using appropriate nomenclature and examples, and in most cases relating them to specific functional groups; [2]	AO1(b).3: You will show understanding and show all reaction types given in the specification, using appropriate nomenclature and examples, and relating them to specific functional groups [3]										
										Mark		
AO1(c).1: You will investigate some different drug types and show a basic understanding of the principles of drug action, using some scientific terminology and conventions correctly; [0 1]	AO1(c).2: You will investigate a variety of different drug types and show knowledge and understanding of the principles of drug action, giving clear, will-explained examples in each case, using scientific terminology and conventions correctly; [2 3]	AO1(c).3: You will investigate a wide range of drug types and show thorough knowledge and understanding of the principles of drug action, giving detailed examples, the therapeutic effect explained and the usage of such drugs evaluated, using scientific terminology and conventions correctly throughout. [4]										
										Mark		
AO2(a).1: You will produce information on a process used to manufacture an organic compound, and the factors to be considered, selecting some appropriate sources and presenting information clearly; [0 1 2]	AO2(a).2: You will show research evidence in to a process used to manufacture an organic compound and the range of factors to be considered, selecting a range of appropriate sources, interpreting and presenting information correctly; [3]	AO2(a).3: You will show thorough research in to a process used to manufacture an organic compound and the factors to be considered, using a wide range of appropriate sources, evaluating and justifying the information, presenting it clearly, concisely and coherently. [4 5]										
										Mark		

<p>AO2(b).1: You will find and use information about some of the costs and benefits to individuals, companies</p> <p>[0 1 2]</p>	<p>AO2(b).2: You will find out about and explain the costs and benefits to individuals, companies and society associated with the manufacture of an organic compound;</p> <p>[3]</p>	<p>AO2(b).3: You will interpret, explain and evaluate the costs and benefits to individuals, companies and society associated with the manufacture of an organic compound, in a clear and concise way.</p> <p>[4 5]</p>	<p>Mark</p>				
<p>AO2(c).1: You will demonstrate correctly, straightforward calculations related to your research and preparations but with some assistance;</p> <p>[0 1]</p>	<p>AO2(c).2: You will demonstrate correctly, complex calculations related to your research preparations with little assistance;</p> <p>[2 3]</p>	<p>AO2(c).3: You will demonstrate, correctly and independently, complex calculations related to your research and preparations.</p> <p>[4]</p>	<p>Mark</p>				
<p>AO3(a).1: You will show valid risk assessment for your work;</p> <p>[0 1]</p>	<p>AO3(a).2: You will use COSHH data to produce valid risk assessments, with some assistance;</p> <p>[2]</p>	<p>AO3(a).3: You will use COSHH data to produce a valid risk assessment independently.</p> <p>[3]</p>	<p>Mark</p>				
<p>AO3(b).1: You will have safely carried out two preparations, one of which is an anti-inflammatory drug;</p> <p>[0 1 2 3]</p>	<p>AO3(b).2: You will have planned, and safely completed two preparations, one of which is an anti-inflammatory drug, using a range of techniques;</p> <p>[4 5]</p>	<p>AO3(b).3: You will have independently planned, and skilfully and safely completed two preparations, one of which is an anti-inflammatory drug, using a wide range of techniques justifying reasons for the use of such techniques.</p> <p>[6 7 8]</p>	<p>Mark</p>				
<p>AO3(c).1: You will make and record some observation and measurements related to both preparations, and display information clearly;</p> <p>[0 1]</p>	<p>AO3(c).2: You will make and record, in a suitable format, observation from both preparation; record some results to an appropriate level of precision and display information accurately;</p> <p>[2]</p>	<p>AO3(c).3: You will make and record, in a suitable format, appropriate observations from both preparations; record all results to an appropriate level of precision and display all information logically and accurately.</p> <p>[3]</p>	<p>Mark</p>				
<p>AO3(d).1: You will provide evidence of some processing of the results;</p> <p>[0 1 2]</p>	<p>AO3(d).2: You will provide adequate processing of the results from both preparations;</p> <p>[3 4]</p>	<p>AO3(d).3: You will provide correct processing of all the results from both preparations.</p> <p>[5 6]</p>	<p>Mark</p>				
<p>AO3(e).1: You will draw some conclusions related to both preparations;</p> <p>[0 1 2]</p>	<p>AO3(e).2: You will conclusions with explanations related to the outcomes of both preparations;</p> <p>[3 4]</p>	<p>AO3(e).3: You will be able to draw detailed conclusions, explaining and evaluating your results for both preparations and suggesting alternative techniques where appropriate.</p> <p>[5 6]</p>	<p>Mark</p>				
Total/50							
If this work is a re-sit, please tick	Session and Year of previous submission	Jan / June	2	0	0	Please tick to indicate this work has been standardised internally	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).
A completed Centre Authentication form CCS160 **must** accompany the MS1 when it is sent to the moderator.

Guidance on Completion of this Form

- 1 One sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and also enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.