

Applied Science

OCR GCE Unit G629 Synthesising Organic Chemicals

Unit Recording Sheet

Centre Name Centre Number Candidate Name Candidate Name Candidate Name Candidate Number Candidate Number Evidence: evidence of your investigation in to synthesising organic chemicals. Criteria Criteria Candidate Number Page A01(a) 1: You will demonstrate a basic knowledge and understanding of the classification of organic compounds, identification of understanding of the classification of a top and comparison of organic compounds, identification of understanding of the classification of a top and comparison on a top and comparison and top and comparison and top and compar	Unit Title 10 Synthe	esising	J Organic Chemicals		Unit Code	G629	Session	Jan / June	Year	2	0	0	
Evidence: evidence of your investigation in to synthesising organic chemicals. Criteria AO1(a):1:You will demonstrate a basic knowledge and understanding of the classification of organic compounds, identification of all selection of all selecting one reaction types, using appropriate nomenclature and examples, and in some cases relating them to specific functional groups (D 1) (D 2) (D 1)	Centre Name					1 1		Centre Numbe	er				
Criteria Content Page A01(a).1:You will demonstrate a basic knowledge and understanding of the classification of organic compounds, identification of uncitonal groups within groups and the importance of isomerism; A01(a).3: You will demonstrate a knowledge and understanding of the classification of organic compounds, identification of 1 listed functional groups and the importance of isomerism; A01(a).3: You will show understanding of some reaction types, using appropriate nomenclature and examples, and in some cases relating them to specific functional groups; A01(b).1: You will show understanding of some reaction types given in the unit specific functional groups; A01(b).2: You will show understanding of many reaction types given in the unit specific functional groups; A01(b).2: You will show understanding of many reaction types given in the unit specific functional groups; A01(c).2: You will investigate a variety of different drug types and solution groups; A01(c).2: You will investigate a variety of different drug types and solutions correcity; A01(c).2: You will investigate a variety of different drug types and show a basic understanding of the principles of drug action, giving detailed examples, the therapeutic effect explained conventions correcity; Mark Mark A02(a).1: You will produce information on a process used to manufacture an organic compound, and the factors to be considered, subcritor is correcity; A02(a).2: You will show research evidence in to a process used to manufacture an organic compound, and the factors to be considered, and presenting information clearity. A02(a).2: You will show research evidence in to a process used to manufacture an organic compound and the	Candidate Name							Candidate Nu	nber				
AO1(a).1:You will demonstrate a basic knowledge and understanding of the classification of organic compounds, identification of all listed functional groups and the importance of isomerism; AO1(a).2: You will demonstrate thorough knowledge and understanding of the classification of organic compounds, identification of all listed functional groups and the importance of isomerism; Mark AO1(b).1: You will show understanding of some reaction types, using appropriate given in the unit specification, using appropriate nomenclature and examples, and in sost cases relating them to specific functional groups AO1(b).2: You will show understanding of the casples, and relating them to specific functional groups; Mark AO1(c).1: You will investigate some different drug types and show a basic understanding of the principles of drug action, using appropriate onvendus and understanding of the principles of drug action, using class. AO1(c).2: You will investigate a variety of alfrenet drug types and show a specific terminology and conventions correctly: AO1(c).2: You will investigate a variety of alfrenet drug types and show a basic understanding of the principles of drug action, using science appropriate onsorted will now science thick terminology and conventions correctly: AO1(c).2: You will show research evidence in to a process used to manufacture an organic compound, and the factors to be considered, subgra of the principles of drug action, and the range of ators to be organic terminology and and the range of appropriate sources, interpreting and presenting information on a process used to manufacture an organic compound, and the factors to be considered, subgra and understanding of the principles of drug action, using appropriate and understanding of the principles of drug action, giving detalled examples, the organic comp	Evidence: evidence of your	r investiga	tion in to synthesising organic chemical	ls.									
basic knowledge and understanding of the classification of organic compounds, identification of all fisted functional groups within transfitted on of all fisted functional groups within molecules and the importance of isomerism; Mark (0 1)			Criteria				Теа	acher Comment			Pa	ige N	10.
[0 1] [2] [3] AO1(b).1: You will show understanding of some reaction types, using appropriate nomenclature and examples, and in most cases relating them to specific functional some cases relating them to specific functional groups; AO1(b).2: You will show understanding of many reaction types given in the unit specification, using appropriate nomenclature and examples, and relating them to specific functional groups; Mark AO1(c).1: You will investigate some different drug types and show a basic understanding of the principles of drug action, giving clear, will-explained examples, in each case, using scientific terminology and conventions correctly; 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; AO1(a): You will show thorough nowledge and understanding of the principles of drug action, giving clear, will-explained examples in each case, using scientific terminology and conventions correctly; AO1(a): You will show thorough research in to a process used to manufacture an organic compound and the rarage of factors to be considered, selecting a range of appropriate sources, interpreting and presenting information AO2(a): You will show thorough research in to a process, used to manufacture an organic compound and the factors to be considered, selecting a range of appropriate sources, interpreting and presenting information AO2(a): You will show tool preses, evaluating and justifying the information, presenting it considered, using a wide range of appropriate sources, interpreting and presenting information AO2(a): You will show thorough research in to a process used to manufacture	basic knowledge and unders of the classification of organi compounds, Identification of	tanding ic	knowledge and understanding of the classification of organic compounds, identification of all listed functional groups and the importance of	knowledge and understanding classification of organic compo- identification of functional grou molecules and the importance	of the ounds, ips within	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; 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; 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; AO1(c).2: You will investigate a variety of different drug types and show thorough knowledge and understanding of the principles of drug action, giving clear, will explained evamples, in each case, using scientific terminology and conventions on a process used to manufacture an organic compound, and the factors to be considered, selecting some appropriate sources, and presenting information clearly; AO2(a).2: You will show research evaluated, using of such types such some scientific terminology and conventions correctly; 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; AO2(a).2: You will show research and presenting information AO2(a).2: You will show research appropriate sources, interpreting and presenting information AO2(a).2: You will show research apropriate sources, interpreting and presenting i		[0 1]			[3]								
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; AO1(c).2: You will investigate a variety of different drug types and show through 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; Mark Image: Note the principles of drug action, giving clear, will-explained conventions correctly; Image: Note 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; Mark Image: Note the principles of drug action, giving detailed examples, the giving clear, will-explained examples, interapeutic effect explained and the usage of such drugs evaluated, using scientific terminology and conventions correctly; Image: Note 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; Image: Note therapeutic effect explained and the usage of actor, giving detailed examples, the thorough nessenth evidence in to a process used to manufacture an organic compound, and the factors to be considered, selecting a range of actors to be considered, selecting a range of actors to be considered, selecting a range of appropriate sources, interpreting and presenting information AO2(a).2: You will show therapeutic effect explained and the factors to be considered, using a wide range of appropriate sources, evaluating and presenting information AO2(a).3: You will show thorough research in to a proces	understanding of some react types, using appropriate nomenclature and examples some cases relating them to	, and in specific	understanding of many reaction types given in the unit specification, using appropriate nomenclature and examples, and in most cases relating them to specific functional	show all reaction types given i specification, using appropriate nomenclature and examples, a	rstanding and n the e and relating ups	Mark							
conventions correctly; examples in each case, using scientific terminology and conventions correctly; of such drugs evaluated, using scientific terminology and conventions correctly throughout. Image: Convention conventent convention convention convention conventio	different drug types and show basic understanding of the	wa	AO1(c).2: You will investigate a variety of different drug types and show knowledge and understanding	of drug types and show thorou and understanding of the princ	igh knowledge ciples of drug								
AO2(a).1: You will produce AO2(a).2: You will show research AO2(a).3: You will show thorough research information on a process used to evidence in to a process used to in to a process used to manufacture an organic compound, manufacture an organic compound, organic compound and the factors to be considered, and the range of factors to be considered, using a wide range of selecting some appropriate sources considered, selecting a range of appropriate sources, interpreting and presenting information clearly; and presenting information justifying the information, presenting it			examples in each case, using scientific terminology and conventions correctly;	of such drugs evaluated, using terminology and conventions of	scientific correctly	Mark							
	information on a process use manufacture an organic com and the factors to be conside selecting some appropriate s	ed to pound, ered, sources	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	in to a process used to manufa organic compound and the fac considered, using a wide rang appropriate sources, evaluatin justifying the information, pres	ugh research acture an tors to be e of g and enting it	Mark							

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AO2(b).1: You will find and use information about some of the costs	AO2(b).2: You will find out about	AO2(b).3: You will interpret, explain and evaluate the costs and benefits it individuals.			
	and explain the costs and benefits		1		
and benefits to individuals,	to individuals, companies and	companies and society associated with the	Mark		
companies	society associated with the	manufacture of an organic compound, in a			
[0,4,0]	manufacture of an organic	clear and concise way.			
[0 1 2]	compound; [3]	[4 5]			
AO2(c).1: You will demonstrate	AO2(c).2: You will demonstrate	AO2(c).3: You will demonstrate, correctly			
correctly, straightforward	correctly, complex calculations	and independently, complex calculations			
calculations related to your research	related to your research	related to your research and preparations.	Mark		
and preparations but with some	preparations with little assistance;				
assistance;					
[0 1]	[2 3]	[4]			
AO3(a).1: You will show valid risk	AO3(a).2: You will use COSHH	AO3(a).3: You will use COSHH data to			
assessment for your work;	data to produce valid risk	produce a valid risk assessment			
	assessments, with some	independently.	Mark		
	assistance;				
[0 1]	[2]	[3]			
AO3(b).1: You will have safely	AO3(b).2: You will have planned,	AO3(b).3: You will have independently			
carried out two preparations, one of	and safely completed two	planned, and skilfully and safely completed			
which is an anti-inflammatory drug;	preparations, one of which is an	two preparations, one of which is an anti-	M		
	anti-inflammatory drug, using a	inflammatory drug, using a wide range of	Mark		
	range of techniques;	techniques justifying reasons for the use of			
[0 1 2 3]	[4 5]	such techniques. [6 7 8]			
AO3(c).1: You will make and	AO3(c).2: You will make and	AO3(c).3: You will make and record, in a			
record some observation and	record, in a suitable format,	suitable format, appropriate observations			
measurements related to both	observation from both preparation;	from both preparations; record all results to	Mark		
preparations, and display	record some results to an	an appropriate level of precision and display			
information clearly;	appropriate level of precision and	all information logically and accurately.			
	display information accurately;				
[0 1]	[2]	[3]			
AO3(d).1: You will provide	AO3(d).2: You will provide	AO3(d).3: You will provide correct			
evidence of some processing of the	adequate processing of the results	processing of all the results from both	Mark		
results;	from both preparations;	preparations.	Wark		
[0 1 2]	[3 4]	[5 6]			
AO3(e).1: You will draw some	AO3(e).2: You will conclusions with	AO3(e).3: You will be able to draw detailed			
conclusions related to both	explanations related to the	conclusions, explaining and evaluating your			
preparations;	outcomes of both preparations;	results for both preparations and suggesting	Mark		
		alternative techniques where appropriate.			
[0 1 2]	[D. 4]				
[012]	[3 4]	[5 6] Tata/50			
		Total/50			-
If this work is a re-sit, please tick	Session and Year of previous subr	mission Jan / June 2 0 0	Please tick to indica	te this work has been standardised internal	lly
If this work is a re-sit, please tick	Session and Year of previous subr	Please tick to indica	te this work has been standardised internal	lly	

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (<u>www.ocr.org.uk</u>). 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.

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Oxford Cambridge and RSA Examinations