

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.

<b>Unit Title</b>	<b>2 Analysis at work</b>	<b>Unit Code</b>	<b>G621</b>	<b>Session</b>	Jan / June	<b>Year</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>Centre Name</b>						<b>Centre Number</b>			
<b>Candidate Name</b>						<b>Candidate Number</b>			

**Evidence:** You produce a portfolio related to information on organisations that use science to analyse processes.

Criteria			Teacher Comment	Page No.
<b>AO1(a).1:</b> You will show information obtained from a non-domestic consumer of energy and give a brief description of their energy policy; <p style="text-align: right;">[0 1 2]</p>	<b>AO1(a).2:</b> you will show selected information obtained from a non-domestic consumer of energy and give a description of their energy policy; <p style="text-align: right;">[3 4]</p>	<b>AO1(a).3:</b> you will show selected, relevant information obtained from a non-domestic consumer of energy and give a detailed description of their energy policy. <p style="text-align: right;">[5 6]</p>	Mark	
<b>AO1(b).1:</b> You will show some indication that energy efficiency has been considered; <p style="text-align: right;">[0 1 2]</p>	<b>AO1(b).2:</b> you will show that energy efficiency has been considered in some detail; <p style="text-align: right;">[3 4]</p>	<b>AO1(b).3:</b> you will show that energy efficiency has been considered and evaluated in some detail, using accurate terminology and nomenclature. <p style="text-align: right;">[5 6]</p>	Mark	
<b>AO1(c).1:</b> You will show that economic and environmental impacts have been considered; <p style="text-align: right;">[0 1 2]</p>	<b>AO1(c).2:</b> you will show that economic and environmental impacts have been considered in some detail; <p style="text-align: right;">[3 4 5]</p>	<b>AO1(c).3:</b> you will show that economic and environmental impacts have been considered in some detail, using accurate terminology and nomenclature. <p style="text-align: right;">[6 7]</p>	Mark	
<b>AO2(a).1:</b> You will show the forms of energy transfer involved in the generation of electricity, displaying information on calorific values and costs of different fuels; <p style="text-align: right;">[0 1]</p>	<b>AO2(a).2:</b> you will show the forms of energy transfer involved in the generation of electricity in detail, displaying information on calorific values and costs of different fuels; <p style="text-align: right;">[2 3]</p>	<b>AO2(a).3:</b> you will show a comprehensive study into the forms of energy transfer involved in the generation of electricity, displaying information on calorific values and costs of different fuels, both renewable and non-renewable.[4 5] <p style="text-align: right;">[4 5]</p>	Mark	
<b>AO2(b).1:</b> You will show a number of straightforward calculations using provided data on costs involved in the generation of electricity, generally obtaining the correct solutions; also, you have included a brief comparison of relative benefits and problems of large-scale and small-scale electrical generation; <p style="text-align: right;">[0 1]</p>	<b>AO2(b).2:</b> you will show a number of straightforward calculations using researched data on costs involved in the generation of electricity, generally obtaining the correct solutions; also, you have included a comparison of relative benefits and problems of large-scale and small-scale electrical generation, based on quantitative information; <p style="text-align: right;">[2 3]</p>	<b>AO2(b).3:</b> you will show a number of straightforward and complex calculations using researched data on costs involved in the generation of electricity, obtaining the correct solutions to an appropriate degree of accuracy; also, you have included a comparison and evaluation of relative benefits and problems of large-scale and small-scale electrical generation, based on quantitative information. [4 5] <p style="text-align: right;">[4 5]</p>	Mark	

Criteria			Teacher Comment	Page No.
<p><b>AO3(a).1:</b> You will produce a report of two physical analyses you have carried out, linked to a vocational context in which risk assessments have been used; relevant observations or measurements have been made and results suitably processed, with some interpretation;</p> <p>[0 1 2 3 4]</p>	<p><b>AO3(a).2:</b> you will produce a detailed report of two physical analyses you have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations or measurements have been made and results accurately processed and interpreted; the information is presented clearly and logically;</p> <p>[5 6]</p>	<p><b>AO3(a).3:</b> you will produce a detailed report of two physical analyses you have carried out, linked to a vocational context in which risk assessments have been produced with evidence equipment has been used safely and to the appropriate degree of accuracy; relevant observations or measurements have been made with the appropriate precision and results accurately processed and interpreted; the information is presented clearly, logically and has been evaluated.</p> <p>[7 8]</p>	<p>Mark</p>	
<p><b>AO3(b).1:</b> You will produce a report of a qualitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been used; relevant observations have been made and results suitably processed, with some interpretation;</p> <p>[0 1 2]</p>	<p><b>AO3(b).2:</b> you will produce a detailed report of a qualitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations have been made and results accurately processed and interpreted; the information is presented clearly and logically;</p> <p>[3 4]</p>	<p><b>AO3(b).3:</b> you will produce a detailed report of a qualitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been produced with evidence equipment has been used safely and to the appropriate degree of accuracy; relevant observations have been made and results accurately processed and interpreted; the information is presented clearly, logically and has been evaluated.</p> <p>[5 6]</p>	<p>Mark</p>	
<p><b>AO3(c).1:</b> You will produce a report of a quantitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been used; relevant observations have been made and results suitably processed, with some interpretation;</p> <p>[0 1 2]</p>	<p><b>AO3(c).2:</b> you will produce a detailed report of a quantitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been completed; relevant observations have been made and results processed and interpreted accurately; the information is presented clearly and logically;</p> <p>[3 4 5]</p>	<p><b>AO3(c).3:</b> you will produce a detailed report of a quantitative chemical analysis you have carried out, linked to a vocational context in which risk assessments have been produced, with evidence that equipment has been used safely and to the appropriate degree of accuracy; relevant observations have been made and results processed and interpreted accurately; the information is presented clearly and logically and has been evaluated.</p> <p>[6 7]</p>	<p>Mark</p>	
<b>Total/50</b>				
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](http://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.