



Examiners' Report January 2012

GCSE Geography 5GA2H 01

Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications come from Pearson, the world's leading learning company. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information, please call our GCE line on 0844 576 0025, our GCSE team on 0844 576 0027, or visit our qualifications website at www.edexcel.com. For information about our BTEC qualifications, please call 0844 576 0026, or visit our website at www.btec.co.uk.

If you have any subject specific questions about this specification that require the help of a subject specialist, you may find our Ask The Expert email service helpful.

Ask The Expert can be accessed online at the following link: http://www.edexcel.com/Aboutus/contact-us/

Alternatively, you can speak directly to the subject team at Pearson about Edexcel qualifications. Their contact details can be found on this link: www.edexcel.com/teachingservices



Get more from your exam results

...and now your mock results too!

ResultsPlus is Edexcel's free online service giving instant and detailed analysis of your students' exam and mock performance, helping you to help them more effectively.

- See your students' scores for every exam question
- Spot topics, skills and types of question where they need to improve their learning
- Understand how your students' performance compares with Edexcel national averages
- Track progress against target grades and focus revision more effectively with NEW Mock Analysis

For more information on ResultsPlus, or to log in, visit www.edexcel.com/resultsplus. To set up your ResultsPlus account, call 0844 576 0024

Pearson: helping people progress, everywhere

January 2012

Publications Code UG030508

All the material in this publication is copyright © Pearson Education Ltd 2012

Introduction

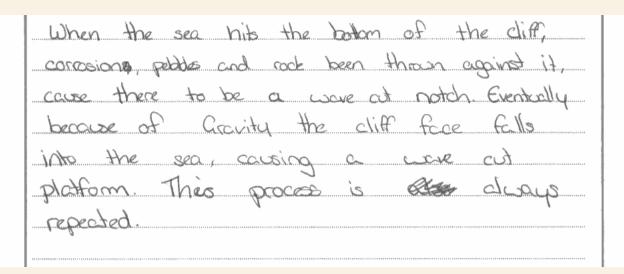
Once again this paper was well received by most centres; many candidates coped well with the content. Candidates are becoming more accomplished at describing distributions and explaining the formation of landforms, yet struggled on the more simplistic questions requiring description of landforms or accurate graphical techniques. Explanation of case study material has once again improved especially on Part B topics however candidates are still finding it difficult to apply a range of examples to the Part A case study questions.

Many candidates completed the paper in good time and few left significant gaps in their answers. Equally many centres have followed advice and advised their candidates on the use of extra space for their answers, particularly advising the use of asterisks and arrows to direct examiners to extra work.

The popularity of questions remained consistent with past examinations; Tectonic and Coastal Landforms proved most popular, yet less well answered, while River Landscapes increased in popularity. The Glacial Landscapes questions are arguably in decline (like many of the glaciers around the world). However, centres who show a specialism for this often see a good return in student performance.

Question 1 (a) (ii)

Although candidates have shown significant improvement in landform explanation, it is clear that they are not well practised at the simple *description* which was required in this question. A majority of answers focused on *explanation* of the formation and these could not be awarded credit. Candidates could improve by practising landform description using photographs or images which place them in their natural context. They should aim to describe the features of the landform such as shape, orientation and where possible use a scale - a rarely used method of describing. An alternative way could have been to describe the location of the landform relative to other landforms.





This answer was awarded no marks since it comprises explanation rather than description. Although good on process, the candidate omits descriptive detail such as steepness, size or location.



When you are asked to describe a landform, focus on just the shape, size and relative position of the landform.

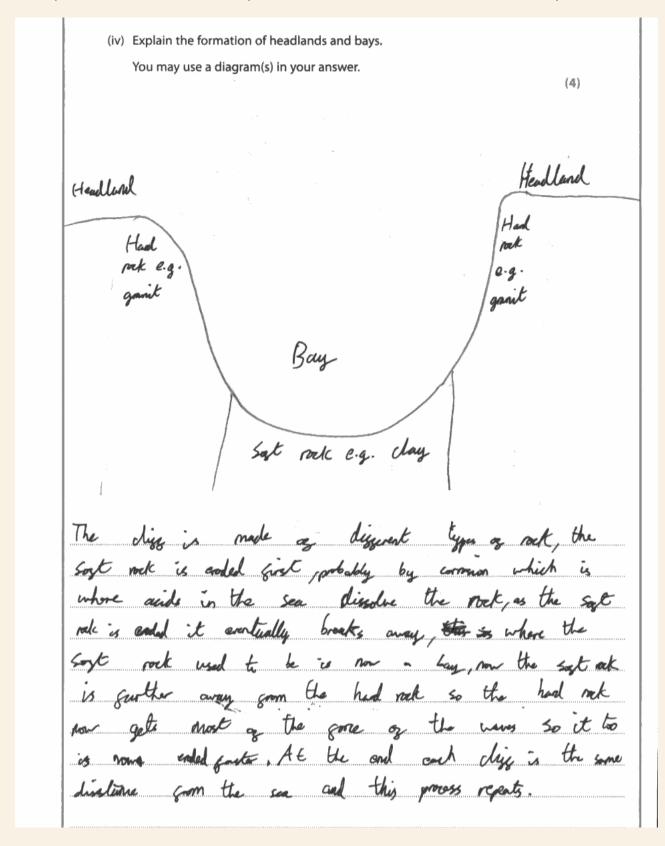
Question 1 (a) (iii)

There were a variety of answers ranging from those who believed that examples of physical weathering were hydraulic action, abrasion and corrosion to those who successfully negotiated freeze-thaw weathering. Some candidates had great success with the application of salt crystal growth. The concept of root action was accepted as, although it is generally accepted as biological weathering, the mechanical action on the rocks by root growth is physical.

The majority of those who understood physical weathering and thereby chose an appropriate answer scored at least 2 marks, however to get the third mark candidates were required to make the link between the process and the outcome. Many candidates did this as part of their explanation.

Question 1 (a) (i) (v)

Many candidates were able clearly to describe the formation of the headland and bays. Those candidates whose responses were awarded the higher marks were either able to clearly explain the processes of erosion, such as hydraulic action, or to give detail about the development of the headland/bay formation such as wave refraction or bay beach formation





Here the candidate gains full marks through a clear explanation of corrosion and some explanation of the landform development (over time).



An explanation of the process is a good way to gain access to the 3 or 4 mark range. Annotations onto a diagram can often be a good way to explain features you mention in the landform explanation.

Question 1 (a) (i) (X)

Many candidates were able to recognise overhang or cliff as the correct response, though there was confusion over whether the landform was a headland. Candidates should not make *assumptions* based on the image and should opt for the more likely answer based on what is actually shown in the image.

Question 1 (a) (i) (Y)

Most candidates recognised the landform as a wave cut platform. Some simply repeated wave cut notch which was already included on the paper.

Question 1 (b) (i)

The majority of candidates scored well on this question and have grasped the concept of graphical description. Many good habits, including describing the overall trend, anomalies to the pattern and use of data, were apparent as students accessed full marks. Some good answers also included reference to changing rates of data e.g. steep rises. Some candidates limited themselves by not using data, which in this case was the eroding coastline length (km).

Question 1 (b) (ii)

This was a well answered question, although for some lower scoring candidates there was the inevitable confusion with hard engineering techniques. Some candidates were limited by a lack of outline but those who had a clear understanding of the techniques were often able to offer some development. The best answers came from those candidates who related their answers to named techniques, such as beach nourishment or afforestation, as this resulted in less tenuous generic answers.

Question 1 (c)

It is clear that many candidates were anticipating a question on coastal management as many erosional case studies were prominent. However, such candidates were self-limiting as they needed to instead focus on methods to prevent or predict flooding. Equally, lower scoring candidates tended to generalise responses without clear reference to organisations who had undertaken either prediction or prevention. Better answers gave specific points on named organisations such as the Met Office, or the work of DEFRA to deal with coastal flooding. Candidates are advised to learn a range of examples to help them as opposed to learning one case study which fits all the points.

Jegognes would stop coasted flooding beach because, sea would stop coasted flooding beach because, sea would stop the wowes from going past as they crosh against them, groupes stop the beach being destroyed as it stops the sea from removing and depositing the sand further up the coastline, If you predict that there could be a flood this gives you time to prepare, placed like websites \$ woother forerasts would keep you updated in floods \$ gives you some indication of when \$ how serious the flood will be.



This response was awarded 2 marks. Answers which focused on coastal erosional methods, such as groynes, were limited to Level 1. Here the candidate has incorrect focus in the first part and then generalises a reponse on forecasting.



Try to clearly differentiate between coastal flood management and coastal erosion management.

Question 2 (a) (ii)

Candidates found the description of landforms a slight challenge, and tended to score marks based on their relative positions. However there was a general lack of reference to the features of the landforms, such as flatness or size, which would have gained marks. Candidates need to learn that descriptions are different from explanations, which were common and self-limiting. Many opted to explain the flood process and not describe the landforms in the image.

In future when describing, candidates should focus on relative positions of the landforms, or the scale or defining features of the landform, such as shape.

When a runer Ploods on to the Plate
Prece of land which is a Closoppain it
deposits its load - as material - as it
rebreats back to the over channel because
It loses energy. This forms natural banks
of naterial by the side of the river which
are levees. # Silt is left on the flat
floodplan 600. This can make the soil forthle.



The candidate includes a good deal of explanation in their answer, but also weaves in descriptive comment. Comments on the 'flat...land', the 'natural banks by the side of the river' and 'silt' enable this response to score the full 3 marks.



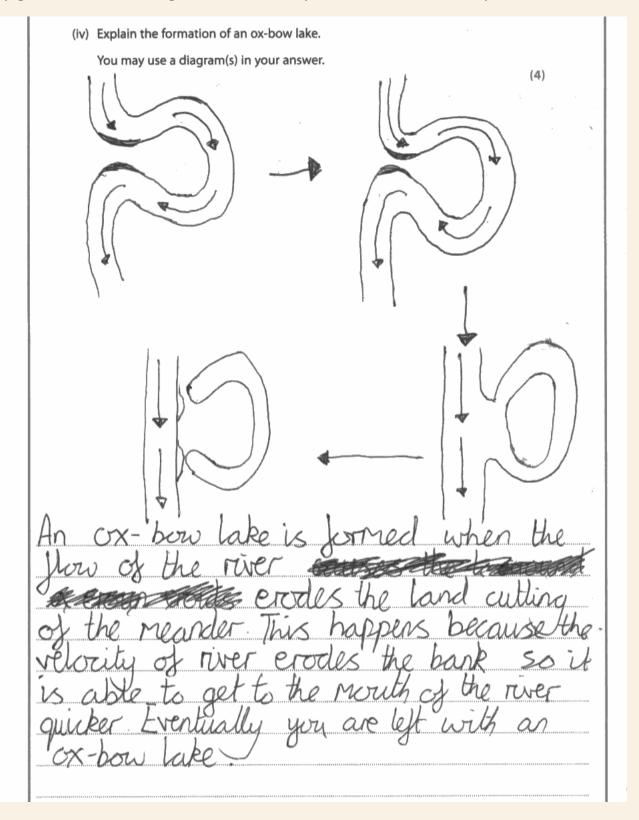
Ensure that the description is clearly distinguished from the explanation. Practise this skill with pictures of landforms in their natural context.

Question 2 (a) (iii)

Of those candidates who understood the concept of mass movement, many showed sound process and gained near full marks. Some did not develop a cause effect link and could not access the highest marks. A large minority of candidates confused the slope processes with river transportation and subsequently spoke about processes such as traction and saltation. It is important that candidates distinguish clearly between transportation and mass movement processes.

Question 2 (a) (iv)

Many candidates were able confidently to describe the formation of a meander and subsequent development into an ox-bow. Most could also link to the reason for meander migration being tied into differing velocities around the bend; few, however, developed the link which helped to explain why the meander neck was overcome or how the subsequent ox-bow became a lake through deposition. Candidates need to be clear on process and many gained a mark through reference to deposition, but failed to explain its occurence.





This response was awarded 2 marks. The candidate shows clear evidence of sequence, through good use of a diagram. However they fail to develop this in their explanations and are subsequently descriptive. In order to gain 3 or 4 marks more is needed on how the meander neck breaks or how the neck subsequently silts up.



Use of diagrams to show sequence is effective. Development of this sequence with clear annotations would further improve the response.

Question 2 (a) (i) (X)

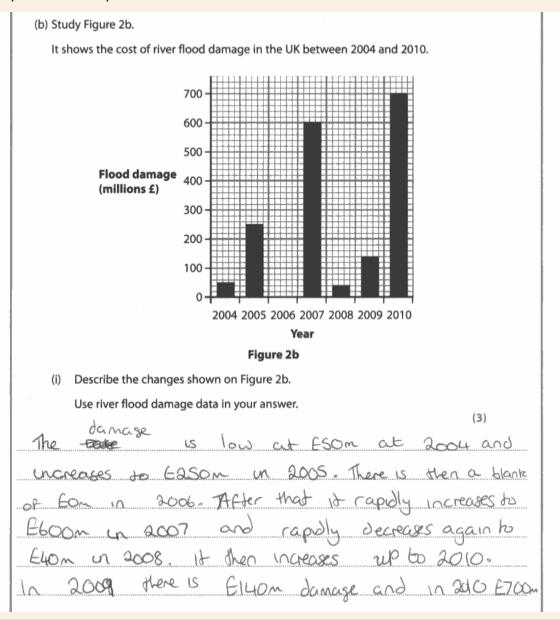
The majority of candidates recognised this as a levee or bank.

Question 2 (a) (i) (Y)

The majority of candidates recognised this landform as a floodplain, though some did not give the full name and instead used the term plain, which was not accepted.

Question 2 (b) (i)

The majority of candidates performed well on this question and were able to use data in support of their answers. Some tended to give a story of the figures instead of focusing on the changes, while some excellent answers focused on rates of change between the data. Candidates should look for trends or patterns where possible and the anomalies to these. Some candidates did limit themselves by talking about small parts of the graph, when a summary across the years was needed for maximum marks.





A clear answer with good use of data and rates of change between years clearly referenced.



When describing changes between years on graphs, think about by how much it rises or falls, is it steep or gradual? This way you will describe the rates of change.

Question 2 (b) (ii)

Candidates who showed a clear grasp of the soft engineering techniques and avoided generalisations scored better than those who did not, with many scoring 3 marks. Some statements such as 'cheap' were meaningless as they did not have a context. Therefore, if generalising such an answer put 'cheaper than hard engineering' so that the point is clear. Reference to a named type helps to focus an answer, though the stated advantages or disadvantages must be correct relative to the named method. Some candidates did confuse hard and soft engineering methods and many candidates could not or did not name methods.

Question 2 (c)

For those candidates who were able to access the correct case study material the result was often a Level 2 or Level 3 score. Some candidates find the request to 'refer to examples in your answer' difficult as they have learnt only one case study for management. It is advisable to learn a series of smaller examples which are applicable to different methods of prevention and prediction. Some good information in reference to the work of the Met Office and DEFRA scored well as did references to the various methods employed along the River Nene.

Some candidates focused only on defense structures, such as embankments and dams, therefore limiting their marks due to a lack of range.

Expects of flooding can be prevented by creating embankments and damns to contain the Water. effects can also be reduced plood plain & zoning which means that the land around the river does not contain anything that will be damaged. An early warning System can give people time to prepare for a glood. The derry worning system at the water levels and predicts when it is going to overplow. luces the impacts for example that extremely narrive system in 2003 to predict flooding from five note People living in a flood prone area pave their electr ligher up the wall thum from Water damage. trees by the river the water levels souking the water up Helping puture floods



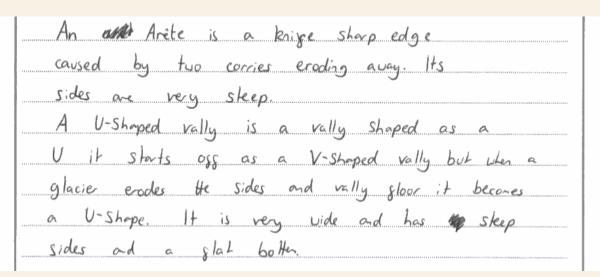
This answer was awarded 5 out of the possible 6 marks. The response includes a range of methods to prevent the effects of river flooding some of which are explained. However, the single reference to a specific point, in Northampton, meant that this could not score the highest mark.



Ensure you learn at least 2 or 3 specific points, from a range of examples if possible to be able to access the highest Level 3 marks.

Question 3 (a) (ii)

Many candidates attempted to *explain* the formation of landforms resulting in a disappointing performance on this question. Of those candidates who did score well, many picked up features of the U-shaped valley, namely the steep sides or flat bottom. A small minority of candidates used the scale to help measure dimensions of the landforms. However, some did describe the relative position of the arete (between the two backwalls of corries) to gain credit.





Although this candidate hints at explanation, they have much in the way of description to gain full marks. The reference to an arete as 'knife edged' along with the u-shape valley described as 'wide and steep sided' helps this get to 3.



Practise describing glacial landforms in their natural context from photographs and images, so that you are familiar with their features.

Question 3 (a) (iii)

The majority of candidates were able to access full marks as many showed a clear grasp of freeze-thaw weathering. Many even included detail on the rate of expansion (9%) and the subsequent pressure exerted after a temporal change. It was pleasing to see the depth of understanding.

Freeze-than is the process of ice melting and the water created running into cracks in a rock As the temperature lawers to 0°C and below the water will freeze into ice which expands its volume by 9°/-.

This increase in volume puts pressure on the surrounding rock causing it to crack locks/scree are then carried by the glorier is one is present and is used for abrosion.



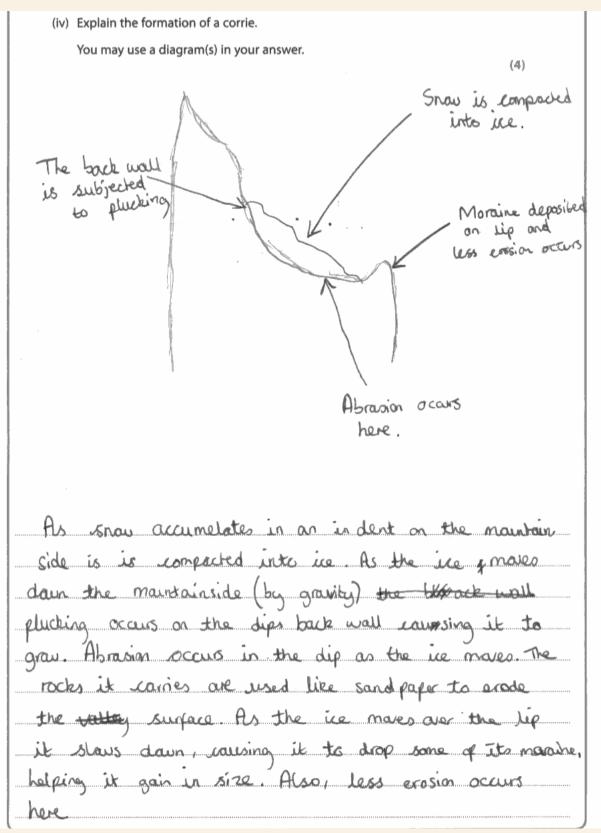
This candidate gives a clear explanation of the process and develops their answer with the cause effect linkage. The response was awarded the full 3 marks.



Ensure that all processes e.g. plucking and abrasion, are learnt in the same level of detail shown in the understanding of freeze-thaw.

Question 3aiv

Many candidates were able to clearly describe a corrie and many its formation. Understanding of how the corrie develops over time was less strong. Good answers made reference to ice accumulation and rotational movement of ice to develop plucking and abrasion. Many of the best responses had a clear temporal link in their answer. Candidates would be advised to make better use of their diagrams where possible to ensure that stages of landform formation are shown.





This candidate explains clearly and makes good reference to process (plucking, abrasion, deposition). Although the temporal change is not explicit, evidence is given. This has good annotation of process around the diagrams to assist in the explanation. 4 marks



When using diagrams adopt a step by step approach to show transformation over time. If you can add annotations as you go along it could help your overall explanation.

Question 3 (a) (i) (X)

Many candidates recognised the landform as an arete.

Question 3 (a) (i) (Y)

Many candidates recognised the landform as a U-shaped valley/valley floor, but some chose to repeat the landform already given, a truncated spur.

Question 3 (b) (i)

The majority of candidates identifed '5' as the correct response.

Question 3 (b) (ii)

Many candidates easily scored two with clear references to the changes, or reference to 'no pattern'. However many frustratingly limited their answers by omitting data which would have easily gained them a third mark.

When referring to changes, try to encouage candidates to describe the rates of change to gain extra credit.

Question 3 (b) (iii)

Candidates received this question well and had much to say, with many scoring full marks. Some were restricted by mentioning only the effects on the people or the environment, but some good answers made reference to examples to give their answer clear focus. Candidates should try to think of three *different* effects and not get preoccupied by referring only to deaths and injury.

The Galtir avalonce in geology 1999 wind

31 people 26 towns & 5 ocals & also severly

damaged 11 buildings and buried 40! There were distrayed

in one avalances destroying the maintait of

there was

animals? over £7.5 million pounds worth of

damage!



The candidate scores their points quickly by using the Galtur case study as a guide for their answer. Although there was no credit for use of specific data the examples give the answer clear focus and help the candidate to refer to effects on both people and the environment.



Ensure that you answer all parts of the question, for example mention effects on both people and the environment. It is easy to miss one!

Question 3 (b) (iv)

In many cases candidates found it easy to make reference to a range of prevention and prediction methods, many of which were explained, enabling access to Level 2. However many found it a challenge to find specific points in their answers. Good answers tied the prevention/prediction methods into those found at specific resorts. Lower scoring candidates simply recited the effects of case studies learnt. Some candidates did cleverly weave their 'effects' specific data into an answer which gave context to the methods of prediction and prevention.

Outcomes would be significantly improved if centres were not wholly reliant on the case study examples and instead found their own methods of prediction and prevention, or organisations who aid in this process.

> (iv) Explain how the effects of avalanches can be reduced by prediction and prevention. Use examples in your answer. (6)ways for predicting and preventing the effectives of an avalanche in Switzland (the Alps) have been put in place Such as the amount a snowfall, that accurate. Hnother way of predicting an avalanche digging dain into the snow Specialists Then assess how a compact the snow is the rate at which than is occurry. Being able Diffredict an avalanche is difficult but if can be evacuated to minimise deaths way of preventing an outdarche a devastating effect us by planting trees (aforestation) or even split up the avalance as we as holding anchome the snow we in place not occur on the 9th February 1999 at snow fell down the easter Chamonix Valley I long believe that a none was deporestation which disripted the snow Hother it to carry - ait controlled avalanches which set off by explosions. However, this Hnother way is by having Signs on Stage in overs Of 1.52 in creas as people will not skin it an interpret to snow (new in place in Montroc, chamoris vally). Overall there are many ways you can predict and prevent and avalanche occurring



This candidate cleverly uses a series of known methods of prediction and prevention and is able to apply them to examples, enabling them to get the specific points and access Level 3 marks.



Ensure that you have a range of specific points, across a range of examples for the prevention and prediction of avalanches.

Question 4 (a) (i)

The vast majority of candidates reognised that 'Krakatoa' was the correct answer.

Question 4 (a) (ii)

Many candidates showed a general improvement in performance when describing distributions, and used words to describe the active volcanoes such as 'linear' or 'clustered'. Most candidates were able to use map evidence in their answer; some made reference to 'Pacific Ring of Fire' which was included in the stem of the question and therefore did not gain extra credit in their answer. Some lower scoring candidates were limited by giving a tour of the various plate boundaries without clearly describing the distribution. Good candidates recognised the distribution along plate boundaries as well as those located midplate.

(ii) Describe the distribution of volcanoes shown in Figure 4a.
Use evidence from Figure 4a in your answer.
The volumes on the map are northy along the
worlds teiting plate handring the RAmed Most of them are
situabile and the Ring of Fire which to the Parise
Ocen love whomas are find along the ress Norm plate
I the South American plate, & whomas are found around the
Into-Australia Plate, The the is the exception of killing
which is in the case of the key fire the is most likely to be
a but get the the ulimoses ne met tilely to be along destration
plate landing such as to the Contemplet and the North Annin 18th
herbig



This candidate makes a link to plate boundaries, and gives plenty of evidence of plates along which volcanoes are found. There is a recognition that some volcanoes occur in the middle of plate and a fourth mark is found for the point about their being mostly on destructive plate boundaries.



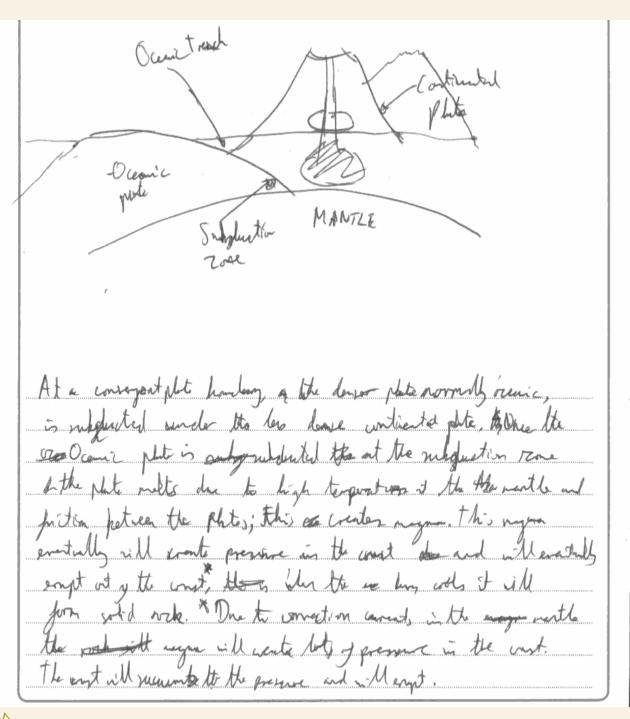
Ensure that you do not *just* give lots of *examples* of where the volcanoes occur, try to describe the distribution by referencing the patterns e.g. linear.

Question 4 (a) (iii)

Many candidates recognised that mid-plate volcanoes are known as hotspots. However, allowance was made for the volcano type, for example a shield volcano.

Question 4 (a) (iv)

Many candidates were able to recognise that on convergent plate boundaries the plates moved together. This showed that candidates had a clearer understanding of plate movement. However, fewer candidates were able to explain what happened to magma after it was subducted, and even fewer, how the rising magma passed through the continental crust. Candidates need to be able to differentiate the type of volcanic activity found along the different plate boundaries and to recognise that the process is not generic.





This answer includes clear explanation with reference to denser plate subducting and increased pressure forcing material to rise. The response also gives detail of the full sequence. Candidates must ensure that explanation is clear and relevant to the volcanic setting.



Try to use diagrams which show the full sequence of events in the lead up to an eruption. Use of annotation on the diagram is helpful to aid explanation.

Question 4 (b) (i)

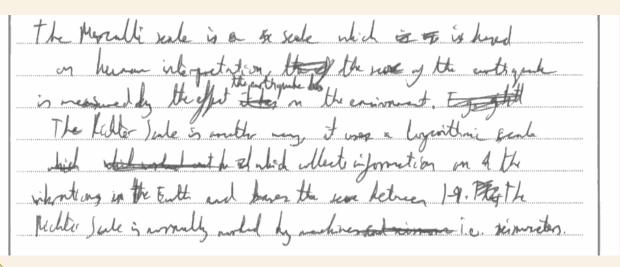
The majority of candidates recognised that the answer '9' was correct.

Question 4 (b) (ii)

The majority of candidates recognised that the answer '5' was correct.

Question 4 (b) (iii)

The majority of candidates were able to recognise that Mercalli and Richter were the two scales used for measuring earthquakes. However there was confusion with some candidates who mixed the two scales around. Some were able to recognise that seismometers are responsible for actually measuring seismic waves, and therefore were able to gain extra credit.





A clear understanding of the Mercalli and Richter with some interesting links to Richter being logarithmic. The candidate also recognises that the Richter scale was measured with seismometers. As the candidate has given information on both scales they are able to obtain full marks.

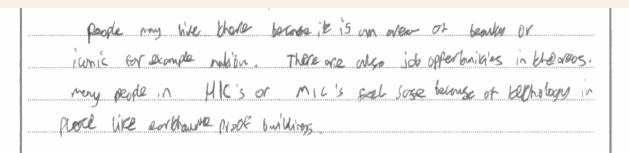


Candidates must ensure that they are able to differentiate between the two earthquake measuring scales and not confuse which measures magnitude and which intensity.

Question 4 (b) (iv)

Candidates were able to give a range of reasons for which people still live in areas affected by earthquakes and therefore were able to pick up some credit. However one common mistake was to make reference to reasons which were more applicable to areas suffering from volcanic eruptions or tectonically active areas. Reasons such as tourism, scenic beauty or mining were not accepted as these are not directly related to earthquake zones - indeed many people would not wish to go on holiday if there was the threat of a large earthquake - so as these were coincidental reasons they were not given credit.

Candidates commonly scored credit by referring to building design, highly paid jobs, inability to move or apathy. Candidates would benefit from a clear distinction between those reasons which are linked to earthquakes and those linked to volcanic areas.





This candidate has confused the reasons for staying near earthquakes and volcanic regions. However, good points are made on job opportunities and earthquake proof buildings and the answer scores 2 marks.



Ensure you have at least *four* different reasons for living near both earthquake affected areas and volcanic ones.

Question 4 (c)

Many candidates found this question straightforward; they found it difficult, however, to apply specific points and Level 2 responses were common. Some low scoring candidates failed to write about reasons relevant to reducing the effects of volcanoes, instead focusing on earthquakes. The specification clearly sets out that centres need to learn examples of how to reduce the effects of both volcanic eruptions and earthquakes.

Among higher scoring candidates many found it difficult to use a specific point, instead referring to the effects of the eruption. Centres would benefit from making reference to local organisations that have helped out in reducing the effects such as the USGS, or IAVCEI. Many of the good examples focused on eruptions including Mt St Helens, Monserrat (Chances Peak), or the Eyjafjallajokull eruption.

The effects of a udcanic eruption can be 06 Emough prediction methods back at records gas evacuate Sans so people wort sturve



This candidate mentions a range of methods, some of which are explained. However there is a lack of specific detail which is truly applicable to the places mentioned. This answer would reach Level 3 were these specific facts included.

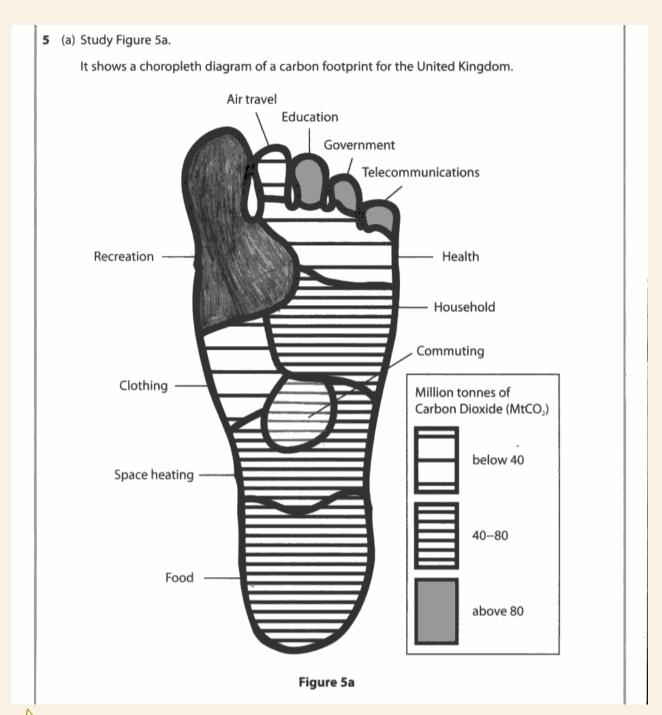


Ensure you learn, from a range of examples, clear detail on how the effects of eruptions have been reduced. This could include *names* of organisations helping with the preparation or *numbers* of people evacuated.

Question 5 (a) (i)

This question required candidates to complete, in choropleth style, a diagram of the UK carbon footprint. Although, on face value, the question was straight forward, many candidates failed to gain full marks. Many scored one mark for the shading of the 'toe' however fewer pupils were able to use a ruler to draw straight lines to get the second mark for commuting.

Candidates must remember that when there is a pre-determined key that they should follow the symbols used as closely as they can, and this includes the spacing of lines and use of a ruler to draw straight lines. This was for many a simple mark dropped.





This is a good example of a candidate who has excellent graphical skills and completed the diagram accurately.



Remember aalways to use a ruler in your exam for drawing graphical lines.

Question 5 (a) (ii) (1)

Many candidates achieved the correct answer and interpreted the graph well.

Question 5 (a) (ii) (2)

Many candidates achieved the correct answer and interpreted the graph well.

Question 5 (a) (iii)

It was pleasing to see that candidates had a wide range of knowledge regarding reducing transport carbon footprints; some applied their study of Unit 1 well. Credit was given for any feasible answer; however, only direct reductions were accepted. Therefore increasing fuel tax was not accepted as it does not guarantee a reduction in carbon emmissions.

Question 5 (a) (iv)

Definitions of carbon footprints can be tricky to pin down, as there are so many different interpretations of a similar theme. Credit was principally given for candidates who recognised a reduction in carbon (carbon dioxide), and development of this, e.g. per capita, or per country, afforded the second mark. Some confused the idea with a reduction in overall energy without specifying carbon.

Question 5 (a) (v)

The concept of reducing energy use was well understood by the majority of candidates and hence this item scored well. Some candidates were self limiting by not developing their answers, and others due to repetition of ideas, e.g. giving detail on how a variety of different appliances should be switched off and not left on stand-by. Good answers focused on a range of ideas both domestically and at school; for example double glazing, cavity wall insulation and use of energy efficient light bulbs. The highest scoring candidates were able to fully develop their answers and clearly state how these methods can reduce energy wastage.

References to recycling, renewables or water saving methods were not credited as these do not help to reduce energy use.

Question 5 (b) (i)

The majority of candidates recognised 'France' as the correct response.

Question 5 (b) (ii)

Description of the changes in waste were made well by many candidates who could recognise that HICs generally produced more than LICs. Supporting data helped students gain a further mark and, again, many used this. However only some students were able to recognise the anomaly to the trend shown and therefore could not score above 2 marks. In this case either Morocco or Egypt were classed as anomalies because as MICs, Egypt had a low value; Morocco could have been considered to have a high value.

Use waste production data in your answer.
,,
You can see from figure 56 that the more nothern countries
have the biggest amount of waste , eg Uk is Smillion tonnes, and
France is 55 million tonnex, you can also see that most southern
courties have lesser amounts of words of Zantia around & Zinlia
Tonies of noste. An anomali is present as the middle patoy the
graph (northern agrico) is supposed to be in the modelle of words in rullion tonces but egypt is 2nd to bettern when looking as waste



Here the candidate makes the implicit recognition that HICs produce more waste, and this is supported with data. In addition the candidate identifies Egypt as an anomaly therefore gains full marks.



When describing graphical differences try to give the overall trend, any anomalies to the trend and supporting data.

Question 5 (b) (iii)

This question differentiated well with some candidates struggling to grasp the concept of a 'throw away society'. Lower scoring candidates were generally descriptive in their responses and gave statements to support the view that HICs were more wasteful. Higher scoring candidates were able to develop links between the wealth of people in HICs, the excessive use of food/products and their brazen approach to recycling. Some excellent answers developed examples such as mobile phones being used with a much shorter life cycle than that for which they were designed.

Some centres were concerned over the use of the term 'throw away society', but this is found in the detailed guidance and description of HICs generating more waste due to their greater wealth.

HIC'S have been described as "throw away societies as the main use of distributing worth is by landfull. Also as originally phase lifes used to up to 3 years, but now must people change in under a year when it is not newspay to. They have also keen described as people should keep it for that long but people are changing their computer every 3 years. This is due to the gready general public in HIC's wanting (not needing) the newest gadget.



Although this candidate develops a point well, they only focus on *one* reason and therefore score 3 marks. However there is good evidence of explanation in the answer.



Try to use conjuctions in your answer to link different ideas together as this adds clarity.

Question 5 (c)

This question, appearing as a case study question, was well received by many candidates. Most candidates were able to access Level 2 and could describe in good detail and with specific points their local recycling schemes. Some candidates did fall foul of the trap of generalising their response, and omiting specific points, especially as many local recycling schemes are similar in undertaking. Candidates need to try to include specific detail e.g. an organisation or a fact to support their points in case studies.

The high scoring candidates often made reference to how the recycled items were processed and remade. They could often refer to the names and locations of reprocessing plants and the Bracknell scheme was one that scored well. References to Germany or other national schemes were held at Level 1.

Centres must remember that the quality of written communication is assessed in Part B case study questions and they should therefore organise their answers in logical, coherent sentences.

*(c) Choose **one** study of recycling on a local scale.



Explain how waste is recycled and recycled material is used.

6)

Chosen local study Brachnell Forest Council

Brachnell Forest Corneil have provided local households
with different coloured him for different recyclable goods.
The birs include boars, blue and gover for good such as
paper, plains and in Three are the collected once every
be week / Iso, this consil has joined with Reading council
and Wobingham council to by and increase the anaunt
they recycle They have come up with Te3 which has
helped to encourage local people to recycle.
Thre are recycling contra down Longithet Lone
in Brackfull and souther in Smallmend, Island Road
in Reading Other maller sites have been placed around
like in local supermortate and there are now over 150
of their within the 3 council oreas
Once the goods have been collected from the
burbilde, they are distributed and sent to different places
to be recycled As example of this would be paper and
contaboard When I it has been collected, it is sent to
the Severside Racycling Eith Facility in Maidenhad
the Severside Recycling Ent Facility in Maidenhead where all of the chanical and wants are removed it this
where all ap the chanical and waste are renoved It this



This is a detailed response, well written, that has clear use of specific points to support the answer. There is evidence of explanation throughout which enables it to access a top Level 3 mark.



Remember to include specific points at relevant places in your answers in order to make your case studies less generic.

Question 6 (a) (i)

This question required students to complete a choropleth style map for two countries in Europe and Africa. The response by many was a little disappointing, as there were frequent inaccuracies, particularly in the Zambia space. Some candidates did not attempt the question which meant two marks were given up.

Candidates must remember that when there is a pre-determined key they should follow the symbols used as closely as they can, and this includes the spacing of lines and the use of a ruler to draw straight lines. Many failed to gain a mark because of inaccurate drawing.

Topic 6: A Watery World

If you answer Question 6 put a cross in this box 📓

6 (a) Study Figure 6a.

It is a map showing the percentage of the population with safe drinking water in some High Income Countries (HICs), Middle Income Countries (MICs) and Low Income Countries (LICs).

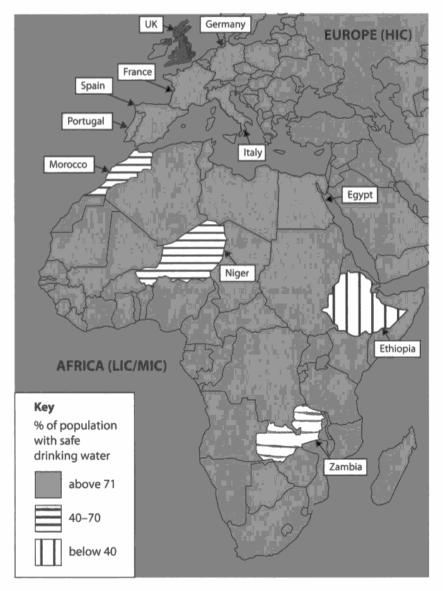


Figure 6a



This candidate has both the correct shading for the UK and uses lines which are similar in distribution to the key, and straight, therefore achieving full marks.



Remember to use a ruler when drawing lines.

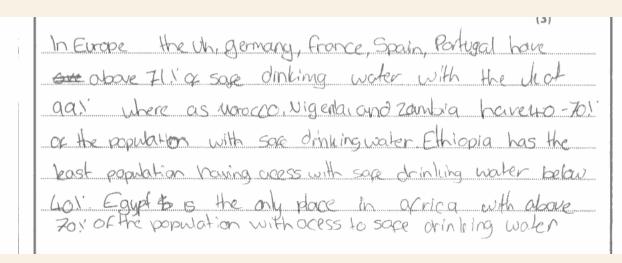
Question 6 (a) (ii)

Most candidates were able to identify 'Ethiopia' as a correct answer.

Question 6 (a) (iii)

Most candidates were able to access 2 marks easily as the use of data was notably better than in the Waste topic. The main differentiator was the ability of candidates to identify the anomaly to the trend, in this case Egypt, who had a large water access.

Candidates must remember, when describing trends, to identify the overall trend, the anomalies to the trend and the use of data. This would help gain full marks.





This candidate gives a good answer with clear identification of pattern, supported by data, and in the last sentence the implicit recognition that Egypt is an anomaly.



Question 6 (a) (iv)

This question proved quite a challenge for many candidates as they tended to use mirrored/ opposite statements which gained no extra credit. Good answers developed the links between wealth of a country and access enabling people to waste more water and be a 'showering society'. Some centres were unfamiliar with the term and therefore students were misguided in their approach, with answers relating to water management techniques and variation in rainfall.

HIC's ex are very wealthy and have full access to Safe houter. So they can afford luxaries like dishwashers, washing machines and boths and showers. There are also very hygine and sanitation also with very good sewage systems. Because hygine standards are so high people shower very regularly, some can be 2 or 3 times a day. Reople in HIC's do not have to save water and so are free to use as much as they like, whenever they want. This makes them get described as "showering socretys."

They are countries that maintain their high hygine standards by showering very often.

Results lus Examiner Comments

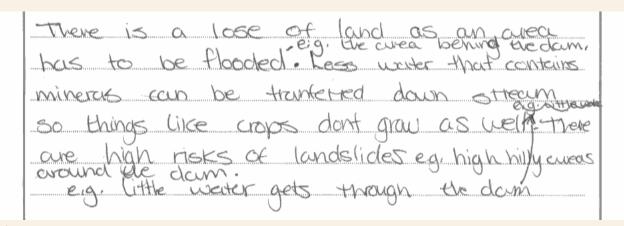
This candidate gives a range of reasons and makes links between their points to enable them to access the marks for explanation. Good references to ideas such as luxury appliances, good access, high hygiene standards which lead to a high demand for water.



Remember to link points together with conjunctions to show the examiner the explanation in your answers.

Question 6 (b) (i)

Candidates who focused on the environmental aspects often scored well on this question as a description was required. However candidates often went off on a tangent, referring to social and economic effects. Good answers commonly made reference to the flooding upstream, the loss of land, landsliding behind the dam and lower discharges downstream.





This answer starts well with a couple of ideas related to environmental impact. This is followed by a socio-economic impact, yet the candidate restores order at the end, making the point about landsliding, and scores 3 marks.



Ensure you understand the difference between social, economic and environmental reasons.

Question 6 (b) (ii)

Candidates found the term "appropriate technology" difficult to define although many had an idea of its meaning. Common errors arose from the confusion with high cost and low sustainability alternatives such as dams, but many candidates understood that appropriate technology involved local communities and low costs. Some good answers used examples to back up their point.

Question 6 (b) (iii)

Although many candidates had some understanding of appropriate technology techniques few were able to fully develop more than one method to explain how water is managed. The candidates who scored well achieved their marks by explaining how the technology was set up to help manage water, e.g. a borehole being concrete lined to limit contamination, or by explaining how the method helped the local community to manage water, e.g. hand pumps stop people having to walk long distances to obtain water. Many candidates often gave the same reasons for each method, and therefore gained no credit for the repetition.

Rainwater have horvesting is were the rain is
collected ace a period or hime in Storage Lords. Although in their
is no ran their is nothing to be corrected.
Hand dug wells are sometimes used outhaugh water barne
diseases such as motivie con get with them as they are
not very deep
Boreticies can be used this is were holes or dug into the
gand ord filled with water although water count be Lept souther
An these ways and for long in these ways
wed qualy.



Here the candidate identifies a range of methods, but does not fully explain any one of them and therefore only scores 2 marks. Clearer explanantion would help here.



Use of *examples* of appropriate technology adds focus to an answer, and reduces the likelihood of generalisation.

Question 6 (c)

The case studies of Tigris and Colorado helped candidates access Level 3 marks most frequently as they were more focused on the conflict of the water transfer. Candidates who gave detail on the water transfer but did not focus on the conflict were often restricted to Level 2 answers. Some candidates, however, focused on conflict over water storage rather than water transfer, for example those who gave the 3 Gorges Dam or Kielder Dam as examples.

Candidates must remember that quality of written communication is assessed in this part of the exam. Therefore answers written in clear coherent sentences with good use of geographical terminology are likely to access the top of each level. *(c) Choose a case study of water transfer which has caused conflicts between two or more areas. Explain how water transfer can cause conflicts. (6)Chosen case study Togn - Fuglate GAP project desired a story to wante 21 days fight the coffeet & between



This candidate makes good use of specific facts and has clear detail on the water transfer scheme. This is a good example of a top level 3 answer.



Remember to use the correct case study choice in the Watery World - when it is conflict over water transfer refer to Tigris or Colorado, when it is water management refer to 3 Gorges dam.

Paper Summary

Overall improvements in student performance across the paper are a good sign that centres are working on advice given in these reports. The following recommendations for continued improvement are given:

- Emphasis should be placed on improving landform **descriptions** by practising with photographs and images of a variety of landforms in their natural context.
- When explaining the development of landforms or showing processes candidates should try to make good use of clearly annotated diagrams.
- Use of a ruler in graphical questions and use of the correct graphical symbols where a key is given would ensure that candidates do not lose marks through carelessness.
- Candidates should explore a number of different case studies in order to have a wider range of examples to draw on in the examination.
- Encourage research beyond the standard text book in order to equip candidates with specific detail to use when giving examples (e.g numbers, names, dates, precise location).
- Where the quality of written communication is assessed, answers should be written in clear, coherent sentences with good use of geographical terminology.

Grade Boundaries

Grade boundaries for this, and all other papers, can be found on the website on this link: http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx

Further copies of this publication are available from Edexcel Publications, Adamsway, Mansfield, Notts, NG18 4FN

Telephone 01623 467467 Fax 01623 450481

Email <u>publication.orders@edexcel.com</u> Order Code UG030508 January 2012

For more information on Edexcel qualifications, please visit www.edexcel.com/quals

Pearson Education Limited. Registered company number 872828 with its registered office at Edinburgh Gate, Harlow, Essex CM20 2JE





