

The challenge of natural hazards – Tectonic hazards: Challenge grid Revision

1 mark

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9 marks

Created by @Mrs_Geography

Explain how earthquakes are created at destructive plate boundaries	Outline two primary effects of a volcanic eruption	Draw a labelled diagram(s) to explain why earthquakes occur at conservative plate boundaries.	Outline one reason for the distribution of earthquakes	Compare the similarities and differences between a constructive and destructive plate boundary
Describe factors which could affect hazard risk	'Monitoring and predicting are the best ways to reduce the risks of a tectonic hazard' Use evidence to challenge this statement.	For a tectonic hazard you have studied, to what extent do the effects of that hazard vary between LICs and HICs	Explain how earthquakes are created at conservative plate boundaries	Suggest why the effects of a tectonic hazard vary between areas of contrasting levels of wealth.
For a tectonic hazard you have studied, to what extent are the primary effects more significant than the secondary effects		Define the term 'natural hazard'		
Explain why the majority of earthquakes and volcanoes occur at plate margins	'LIC always suffer more when an earthquake hits.' Use evidence to support this statement.		Outline two secondary effects of an earthquake	Outline one possible reason for people living in a hazardous area.
Describe and explain how risks of a volcanic eruption can be reduced.	State two immediate responses to a tectonic hazard that could reduce the number of deaths		Assess the social and environmental effects for a tectonic hazard you have studied	
Using examples, evaluate the effectiveness of the immediate and long-term responses to a tectonic hazard in countries with contrasting levels of wealth	Explain how the global atmospheric system affects the weather and climate of the tropics	Explain why so many people live in areas at risk from tectonic hazards	For a tectonic hazard you have studied, to what extent do the responses to that hazard vary between LICs and HICs	
Describe the global distribution of volcanoes	Describe and explain how risks of earthquakes can be reduced.		Explain how planning for tectonic hazards might help to reduce the effects of an earthquake	
Assess the immediate responses and long-term responses for a tectonic hazard you have studied	Suggest why the effects of a tectonic hazard may be more significant in a urban area.	Explain how a volcanic eruption occurs at a constructive plate boundary	Outline one reason for the distribution of tectonic hazards	
	State two differences between continental crust and oceanic crust		Explain how prediction might help to reduce the effects of a volcanic eruption	

The challenge of natural hazards – Weather hazards: Challenge grid

Revision

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Created by @Mrs_Geography

'LIC always suffer more when a tropical storm hits.' Use evidence to support this statement.	Give two reasons why tropical storms eventually lose their energy.	Explain why planning and being prepared is the best option for reducing the effects of tropical storms	Outline two features of a tropical storm	State one cell in the global atmospheric circulation
Outline two immediate responses that could help reduce the effects of a tropical storm	Assess the extent to which prediction is the most important factor in reducing the effects of tropical storms.	State another name for hurricanes	Explain how protection strategies can be used to reduce the effects of tropical storms	
Explain the factors which affect the global atmospheric circulation system		Describe the global distribution of tropical storms	Outline two long-term responses that could help reduce the effects of a tropical storm	Using an example of a tropical storm you have studied, discuss how immediate and long-term responses help to reduce its effects
Describe and explain the distribution of tropical storms	Explain how climate change may make the impacts of tropical storms worse	For a tropical storm you have studied, to what extent are the primary effects more significant than the secondary effects		
For a tropical storm you have studied, to what extent are the immediate responses more significant than the long term responses	Give one conditions that is needed for a tropical storm to form.	Describe how global atmospheric circulation affects the Earth's climate	Define the term 'protection'	
Define 'planning' in the event of a natural disaster	Using a named example, explain how tropical storms can impact people and the environment	For a tropical storm you have studied, to what extent does the immediate and long-term responses help to reduce its effects	Explain strategies which could be used to reduce the risks of tropical storms	

The challenge of natural hazards – Climate change: Challenge grid

Revision

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Created by @Mrs_Geography

Define the term 'climate change'	Define the term 'adaptation'	Explain how and why volcanic activity can affect global climate	Describe one way people can adapt to rising sea levels	Outline two sources of evidence for long-term climate change during the Quaternary period
Outline one strategy which aims to reduce the rate of climate change (mitigation)	Outline one reason why the concentration of carbon dioxide in the atmosphere has changed over time	'The weather of the UK is becoming more extreme.' Use evidence to support this statement.	Assess the economic and environmental impacts of a UK extreme weather event you have studied	
Outline two ways human activity may contribute to climate change		Explain the evidence that UK weather is becoming more extreme	State an example of 'extreme weather'	Describe how global atmospheric circulation affects the Earth's climate
Outline two human reasons which can affect global change		Explain how physical and human factors can contribute to climate change	Identify two sources of greenhouse gases	
Describe one way people can adapt to managing water supply	Outline one possible environmental effect of climate change	Define the term 'mitigation'	Explain how and why solar output can affect global climate	
Explain how and why changes in earth's orbit and movement can affect global climate	'Global climate is changing'. Use evidence to support this statement.	Explain two possible causes of climate change	Describe how greenhouse gas emissions from energy production could be reduced	
Outline how international agreements can help to manage climate change	For a UK extreme weather event you have studied, assess the importance of management strategies used to reduce the impacts of the event	Describe how greenhouse gas emissions from energy production could be reduced	Outline how agricultural systems can adapt to changes caused by climate change	
Outline two reasons why human activities effect the concentration of CO2 in the atmosphere		Using a named example, explain how climate change can have social and environmental effects	What is extreme weather?	Explain how poor land use can affect global climate

Living world – Tropical rainforests: Challenge grid Revision

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Created by @Mrs_Geography

Describe the distribution of tropical rainforests	Define the term 'biotic'	Explain how ecotourism can be part of a sustainable management strategy for a tropical rainforest	Describe and explain the distribution of tropical rainforests	Outline one cause of deforestation
Explain how the structure of the tropical rainforest vegetation can support high animal populations	Assess the social and environmental impacts of deforestation in a rainforest you have studied	Describe the features of a small scale ecosystem	For a tropical rainforest that you have studied, assess the extent to which deforestation benefits the people who live there	Outline one cause of deforestation
Describe and explain the features of the vegetation found in a tropical rainforest	Complete the sentence... A producer is...	Explain how human development in tropical rainforests might reduce biodiversity	Describe and explain how the tropical rainforest is interdependent	
Outline one possible social impact of deforestation	Assess the impacts of deforestation in Amazonia	Describe the climate of a tropical rainforest	Evaluate the success of different strategies used to manage tropical rainforests sustainably	
Describe one way plants in tropical rainforests have adapted to their environment	The rainforest is more valuable when left intact than when destroyed. Use evidence from different examples to support and/or challenge this view	Using a named example, explain how changes can have long and short term effects on an ecosystem	Outline one possible environmental impact of deforestation	
Define the term 'sustainable'	Explain reasons why tropical rainforests should be protected	Define the term 'nutrient recycling'	Explain how international hardwood agreements can encourage the sustainable management of tropical rainforests	
For a tropical rainforest that you have studied, assess the extent to which deforestation benefits the people who live there	Describe features of a tropical rainforest ecosystem	Suggest one way that international co-operation can help make tropical rainforests more sustainable	Explain plant and animal adaptations in a tropical rainforest environment	
Explain how selective logging can help make tropical rainforests more sustainable	Outline one cause of deforestation	Explain how reducing the debt of a country may help to reduce deforestation	Define the term 'biome'	Describe one way plants in tropical rainforests have adapted to their environment
Describe and explain how soil and plants in tropical rainforests are dependent on one another			For a tropical rainforest you have studied, to what extent does deforestation affect people and the environment?	

Physical landscapes in the UK – Rivers: Challenge grid

Revision

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Evaluate the river management strategies used to protect an example you have studied		Explain the formation of a waterfall		Using a place example, explain the social and environmental reasons for river management		Define the term 'deposition'		Outline one process of erosion		
Define the term 'hydraulic action'		Outline one reason why rivers deposit sediment	Define the term 'saltation'	Outline one benefit of a dam and reservoir		Explain the likely economic effects of river flooding				
Identify two characteristics of a floodplain				Suggest how the flood management schemes help reduce the risk of flooding.		Define the term 'solution'		Outline one benefit of flood plain zoning		
To what extent does erosion influence the creation of river landforms				Explain the differences between hard and soft engineering river management strategies		Explain how hard engineering is used to reduce flood risk				
Name one process of erosion that may affect river banks		Explain the formation of an estuary				Identify two characteristics of interlocking spurs		State one reason why the size of sediment carried by the river decreases downstream.		
Explain how soft engineering is used to reduce flood risk			Outline one disadvantage of channel straightening		Using a river management strategy you have studied, discuss the social and environmental issues		Suggest how river management, such as embankments, help to reduce flood risk			
Explain the formation of a meander		Describe the shape of the river's long profile.	Explain the formation of an oxbow lake				Explain how physical and human factors can increase the risk of river flooding.			
			Explain how different landforms may be created by transportation processes along the course of a river.		Define the term 'traction'		Explain the formation of flood plains		Describe the changes along the long profile of a river	
Explain the processes involved in the formation of waterfalls and gorges.		Explain the formation of a gorge		Using a place example, to what extent has river management been successful		Describe how a river transports sediment		Explain how different landforms may be created by the transport and deposition of sediment along the course of a river.		
						Explain the formation of interlocking spurs		Suggest one reason why the cross profile of the river valley changes as you travel downstream		

Physical landscapes in the UK – Coasts: Challenge grid

Revision

 1 mark	 2 marks	 3 marks	 4 marks	 6 marks	 9 marks
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Created by @Mrs_Geography

Define the term 'deposition'	Outline a type of weathering	Explain how freeze-thaw weathering can cause cliff collapse	Name a process of weathering, other than freeze-thaw	Outline one process of erosion
Using a place example, discuss the conflicts created as a result of coastal management	Suggest how the sea defences, such as rock armour, help to protect the coastline	Define the term 'mechanical weathering'		
Outline one disadvantage of dune regeneration		Explain the formation of beaches	Suggest why coastal areas need to be protected from the effects of physical processes	Outline one disadvantage of groynes
			Define the term 'mass movement'	
Explain the formation of a bar		Explain how different landforms may be created by the transport and deposition of sediment along the coast.	Using a place example, to what extent has coastal management been successful	
Name one process of erosion that may affect cliffs	To what extent does rock type influence the creation of coastal landforms		Name one characteristic of a constructive wave	Explain the formation of a spit
Explain how hard engineering is used to protect coastlines from the effects of physical processes.	Outline one benefit of beach nourishment	Explain the formation of headlands and bays		Explain how sand dunes form
Explain the formation of caves, arches and stacks	Using a place example, explain the social and environmental reasons for coastal management		Using a place example, explain the formation of a headland and bay.	
	Describe how the sea erodes the coast	Using a place example, evaluate the coastal management strategies used to protect the coastline		Explain the formation of wave-cut platforms
Using a coastal management strategy you have studied, discuss the social and environmental effects	Name one characteristic of a destructive wave		Explain how soft engineering is used to protect coastlines from the effects of physical processes.	
Define the term 'attrition'	Explain the formation of a cliff		Define the term 'abrasion'	Outline one benefit of a sea wall
Explain how different landforms may be created by erosional processes along the coast.			Explain the differences between hard and soft engineering coastal management strategies	

Urban issues and challenges: Challenge grid

Revision



1 mark



2 marks



3 marks



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6 marks



9 marks

Created by @Mrs_Geography

Suggest reasons for the differences in the rate of urbanisation in HICs and LICs	Evaluate the impact of a regeneration project you have studied.	Explain how an urban planning scheme in an LIC or NEE has had a positive effect on people living in the area	Explain one economic problem caused by traffic congestion.	To what extent has urban change created opportunities in a UK city you have studied?
Suggest two push factors that encourage people to leave rural areas.	Discuss how the features of Greenhouse development will make for more sustainable urban living.	What is rural-urban fringe?	Suggest two reasons for the fast rate of urban growth in many lower income countries	What is a megacity?
Assess the social and environmental challenges OR opportunities of urban change for a UK city you have studied	Describe how international migration has led to change in the character of a named UK city	Assess the social and environmental opportunities OR challenges of urban growth for either an LIC or NEE you have studied	Using an example of a UK urban regeneration project you have studied, explain how the area has been improved	Explain how urban regeneration projects can reduce levels of urban deprivation.
Explain the environmental challenges caused by urban growth in an LIC or NEE	Describe how migration has influenced the growth of a named UK city	Define the term 'urbanisation'	Explain how natural increase contributes to urbanisation	Referring to a case study of a city in a LIC/NEE to assess the challenge of providing services to the city's population
To what extent do urban areas in lower income countries (LICs) or newly emerging economies (NEEs) provide social and economic opportunities for people?	Suggest two pull factors that encourage people to move to cities.	What is urban regeneration?	Suggest two reasons for the slow rate of urban growth in many higher income countries	Referring to a case study of a city in a LIC/NEE to assess the challenge of providing services to the city's population
For a LIC or NEE you have studied, to what extent does urban growth provide both opportunities and challenges?	Using an example explain how urban regeneration projects can reduce levels of urban deprivation.	Define the term 'brownfield site'	Define the term 'natural increase'	For a UK city you have studied, to what extent does urban change provide both opportunities and challenges?
Suggest why an increasing number of megacities are located in lower income countries (LICs) or newly emerging economies (NEEs)	To what extent do urban areas in lower income countries (LICs) or newly emerging economies (NEEs) provide social and economic opportunities for people?	Outline one way that international migration has led to change in the character of a named UK city.	Suggest why there are inequalities in health in urban areas.	
Define the term 'greenfield site'	Using a named example, explain how the rural-urban fringe has been affected by urban sprawl	Evaluate the effectiveness of an urban transport scheme you have studied.	Referring to a case study of a major city in the UK, discuss the effects of urban sprawl on people and the environment.	
Evaluate the effectiveness of an urban planning strategy in helping to improve the quality of life for the urban poor. Use an example of a city in a lower income country (LIC) or newly emerging economy (NEE).	Explain how the growth of a LIC or NEE has been affected by its physical geography	Explain how the sustainability of urban areas can be improved through energy conservation schemes		

The changing economic world: Challenge grid Revision

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Created by @Mrs_Geography

Define the term 'Transnational Corporations'	Explain the link between the DTM and a country's level of development.		Outline one disadvantage of using a single measure of development such as GDP per capita.	Transnational Corporations (TNCs) only bring advantages to the host country. Do you agree with this statement? Justify your decision.	
Outline one limitation of only using GNI per head as a measure of development.	Describe advantages of short-term aid for recipient countries	Suggest one reason why life satisfaction scores vary between countries.	Give one disadvantage of using a social measure of development such as life satisfaction.		
Suggest how increasing economic development can affect birth rate at Stage 3 of the DTM model	Suggest two ways that the level of economic development of a country might affect the quality of life of its people.	Suggest one reason why fairtrade schemes are not always successful.	Explain the advantages of this location for the Cambridge Science Park.	Describe how tourism can help social development	
		Suggest one way microfinance loans can help to reduce the development gap.	Suggest how conflict may have affected a LICs level of development	Outline one way that fairtrade helps to deal with the problems of unequal development.	
Give two reasons why there has been a growth in the number of science parks in the UK.	Suggest how fair trade schemes can affect a country's development	Evaluate the effectiveness of tourism in reducing the development gap.		Using a case study of a LIC/NEE country, explain how manufacturing industry can encourage economic development.	
Describe advantages of long-term aid for recipient countries	Outline one way the political relationship of a named LIC/NEE country with the wider world has changed.	What is GNI?	Outline one possible consequence of uneven development	What is HDI?	Describe the disadvantages of long-term aid for recipient countries
Suggest how one or more strategies might reduce regional differences in the UK.	Describe the causes of uneven development	Explain the impact of promoting tourism as a way of increasing development in an LIC or NEE		Outline one disadvantage of using a single measure of development such as life expectancy	
Outline one way the trading relationship of a named LIC/NEE country with the wider world has changed.	Describe the disadvantages of short-term aid for recipient countries	Outline one way in which tourism can help deal with the problems of uneven development		Define the term 'development gap'	
Define the term 'de-industrialisation'	Explain how modern industrial developments can be made more environmentally sustainable.	For a LIC or NEE you have studied, to what extent has tourism helped reduce the development gap?		Describe how the UK's transport links help to connect it to the wider world	
Microfinance loans are a better long-term aid to a country's development than international aid. Do you agree with this statement? Justify your decision.			Explain how the north-south divide can be reduced		Give one reason for the development of the north-south divide

Human Fieldwork: Challenge grid

Revision



2 marks



3 marks



4 marks



6 marks



9 marks

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Assess how effective your presentation technique(s) were in representing the data collected in this enquiry	Outline one limitation of a primary data collection techniques used	Identify two risks that you needed to manage during your fieldwork	Explain the disadvantage(s) of the location(s) used for your human fieldwork enquiry	With reference to your methods, results and conclusions, suggest how one of your geographical enquiries could be improved
Explain why your enquiry question was a suitable topic for human fieldwork	For one of your geographical enquiries, to what extent were the results of this enquiry helpful in developing your understanding of the topic or environment investigated	Outline two strengths of one of the data presentation techniques that you used	Evaluate the data presentation technique(s) used in your human fieldwork enquiry	
Suggest reasons for different traffic count results between the morning and afternoon	For one of your geographical enquiries, to what extent were the results of this enquiry helpful in reaching a reliable conclusion to your original question	Assess the role of data sampling within your human fieldwork enquiry	Describe the purpose of your human fieldwork enquiry	Explain the advantage(s) of the location(s) used for your fieldwork enquiry
Compare the differences between primary and secondary data collection techniques	Suggest two pieces of advice that should be given to students in order to reduce potential risks when carrying out a human geographical enquiry	Identify two data collection techniques that could be used to carry out a geographical investigation in a human environment	With reference to the aim of your human enquiry, to what extent were the primary data collection techniques effective	
To what extent were the data collection techniques useful in satisfying the original aim(s) of the enquiry	Using specific examples from your fieldwork enquiry, describe and explain the risk assessment you undertook	Outline an alternative way of sampling study sites and state an advantage of your method	Describe the characteristics of your study area for human fieldwork	Assess how effective your data collection techniques were in answering your original aim(s) of the enquiry
With reference to the aim of your human enquiry, to what extent were the secondary data collection techniques effective	Justify one primary data collection method used in relation to the aim(s) of your human geography enquiry	Justify the location(s) used for your human fieldwork enquiry	Describe the geographical concepts, processes or theories that formed the basis of your human fieldwork enquiry	
Identify two data collection techniques that could be used to carry out a geographical investigation in a human environment	Justify one secondary data collection method used in relation to the aim(s) of your human geography enquiry	Explain the geographical concepts, processes or theories that underpinned your human fieldwork enquiry	With specific reference to your analysis, describe and explain further enquiry opportunities arising from your enquiry	
Explain why a pedestrian count may not be accurate	With specific reference to your data collection techniques, describe and explain how your human enquiry could be improved	Justify one statistical technique used to analysis your results	Evaluate the methods used to collect data in your human fieldwork enquiry	Justify a sampling technique used to collected data in your human enquiry
To what extent do your results meet the original aims of your human fieldwork enquiry			With reference to the aim of your human enquiry, describe one method of secondary data collection	

The challenge of resource management: Challenge grid

Revision



1 mark



2 marks



3 marks



4 marks



6 marks



9 marks

Created by @Mrs_Geography

To what extent is it preferable to source food locally in the UK rather than import from abroad?	Give two reasons for the global rise in water consumption	Explain how water security could lead to conflict	Describe how global water scarcity links to the global pattern of undernourishment	Outline one way in which water quality in the UK can be managed
Describe a human factor that can affect the availability of water	Suggest how the proposed water transfer schemes will help meet the changing demand for water in the UK.	Suggest one way in which water insecurity might affect the quality of life of people	Using an example of a local scheme from an LIC or NEE, explain how water supply has been made more sustainable.	Suggest one reason for the development of fracking in the UK.
Outline one way people in the UK are attempting to reduce food miles	Explain why water deficit in some areas of the UK is increasing	Explain how exploiting energy resources can cause environmental issues	Explain the benefits of locally produced food	Examine the advantages and disadvantages of a large scale water transfer scheme that you have studied.
How does increasing food miles lead to a larger carbon footprint?	Outline one opportunity created by the changing demand for food in the UK	Describe a method that people could use in their homes to conserve water	Use an example from a LIC/NEE to explain how local strategies are being used to increase sustainable supplies of water.	
Explain why the process of fracking for gas causes conflict between different groups of people.	Explain how inequalities in the supply of resources influence social well-being.	Give two causes of water insecurity.	Give two reasons why the use of coal decreased between 1985–2015.	
Outline one economic issue caused by exploiting renewable energy resources	For a water transfer scheme you have studied, to what extent has the scheme been successful?	Explain why different food items are transported by different methods	Describe a physical factor that can affect the availability of water	
Suggest why there might be a need for water transfer from one part of the UK to another.	Explain how the use of water in the UK can be made sustainable	Outline one reason why some countries have a significant risk to water security.		