

Edexcel A GCSE Geography - First exam 2018				
Unit 1: The physical environment SECTION A				
<i>Topic 1 You will have to answer questions of two of the below topics</i>				
UK Physical landscapes				
Explain the different relief across the UK				
Read a cross section of contour lines on an OS map				
Coastal landscapes in the UK				
Describe and explain the characteristics of both constructive and destructive waves				
Explain the different types of sub-aerial processes (weathering and mass movement)				
Describe the different types of erosion and explain how a variety of associated landforms are created				
Describe how deposition and long shore drift create a number of different landforms				
Know a named case study and explain how human influences have led to changes in the landscape				
Explain the effects of coastal recession on people and the environment				
Study a coastal area using an OS map and pick out features using the key				
Assess how coasts can be managed using hard engineering techniques				
Assess how coasts can be managed using soft engineering techniques				
Explain the effects of coastal flooding on people and the environment				
Evaluate the management of a named coastline				
River landscapes in the UK				
Recognise the difference in long and cross river profile and how the river changes downstream				
Explain the different types of weathering and mass movement				
Describe and explain the different processes of erosion, transportation and deposition				
Describe and explain the formation of key erosional features (waterfall and gorges)				
Describe and explain the formation of key middle course features (meanders and ox-bow lakes)				
Examine the changes of a named river from source to mouth				
Explain the causes of flooding				
Explain how human activities have affected the river landscape				
Analyse the difference in storm hydrographs and lag times (urban and rural)				
Assess how rivers can be managed using hard engineering techniques				
Assess how rivers can be managed using soft engineering techniques				
Assess how a named area has been impacted by flooding and the solutions put in place to limit the risk				
Glacial landscapes in the UK				
Describe and explain the different processes of erosion, transportation and deposition				
Describe and explain the formation of key erosional features (corries, hanging valleys, ribbon lakes)				
Describe and explain the formation of key transportation and depositional features (moraine, drumlins and erratics)				
Identify key glacial landforms from an OS map				
Assess the opportunities in glaciated areas				
Examine the conflicts in glaciated areas				
Evaluate how tourism can be effectively managed in a named area				

	Student 1	Student 2	Student 3	Student 4	Student 5
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Unit 1: The Physical Environment SECTION B					
<i>Weather Hazards and Climate Change</i>					
<u>Weather systems</u>					
Describe and explain the features of global atmospheric circulation					
Examine how circulation cells and ocean currents transfer and redistribute heat across the earth					
<u>Climate Change</u>					
Explain the natural causes of climate change					
Assess the evidence for natural climate change					
Describe the enhanced greenhouse effect					
Explain the human causes of climate change					
Assess the negative impacts of climate change					
Describe the climate of the UK and know how it has changed over the past 1000 years					
Understand the spatial variations in weather within the UK					
Know the significance of the UK's location in relation to its climate					
<u>Weather hazards</u>					
Describe and explain the location of tropical storms					
Know the conditions and how tropical storms form					
Explain the impacts of a named tropical storm (social, environmental, economic)					
Evaluate the responses of individuals, organisations and government of a named tropical storm					
Explain the causes of drought and know the different types (human, hydrological and meteorological)					
Explain the impacts of a named drought					
Evaluate the responses of individuals, organisations and government of a named drought storm					

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Unit 1: The Physical Environment SECTION C			
<i>Ecosystem, Biodiversity and Management</i>			
<u>Ecosystems</u>			
Define what an ecosystem is and know their key components			
Describe and explain the distribution of global ecosystems			
Know how climate and local factors influence features of an ecosystem			
Assess the importance of the biosphere and how they are being exploited (energy, water, minerals)			
Describe and explain the distribution of the UK ecosystems			
Know the key features of the UK ecosystems (moorland, heathland, woodland, wetland)			
Evaluate the importance of marine ecosystems and the major threats they have			
<u>Tropical rainforests</u>			
Describe and explain the physical characteristics of tropical rainforests: Climate, soils and vegetation (and examine their interaction).			
Describe how plants and animals have adapted to living in the TRF			
Examine the causes of deforestation			
Evaluate the impacts deforestation with a named case study			
Know the importance of TRF and ways in which they can be managed effectively			
Explain how TRF can be managed sustainably with key examples			
<u>Deciduous forests</u>			
Describe and explain the physical characteristics of tropical rainforests: Climate, soils and vegetation (and examine their interaction).			
Describe and explain the physical characteristics of hot deserts: Climate, soils and vegetation (and examine their interaction).			
Explain the key threats to the deciduous forest (timber, fuel, climate change)			
Evaluate the impacts deforestation			
Explain how DF can be managed sustainably with key examples			

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Unit 2: The Human Environment SECTION A			
<u>Changing Cities</u>			
Understand the global differences in rates of urbanisation			
Explain the effects of urbanisation in developed countries			
Explain the effects of urbanisation in developing and emerging countries			
Know the distribution of the urban population in the UK			
Explain the factors causing the rate of urbanisation to differ in regions of the UK			
<u>Study of a major UK City</u>			
Describe the site, situation and connectivity of a named UK city- in regional, national and global context			
Describe the function and structure of a named UK city			
Recognise the sequence of urbanisation, counter-urbanisation and re-urbanisation			
Explain the causes of national and international migration and their impacts on different parts of a chosen UK city			
Describe the population characteristics			
Understand the causes of deindustrialisation			
Explain why there are economic inequalities			
Describe the recent changes in economic sectors (growth of retail and decline in primary/secondary)			
Assess the range of sustainable living strategies for improving the quality of life			
<u>Study of a major developing/emerging city</u>			
Describe the site, situation and connectivity of a named developing/emerging city- in regional, national and global			
Describe the function and structure of a named developing/emerging city			
Recognise the sequence of urbanisation, counter-urbanisation and re-urbanisation			
Explain the causes of national and international migration and their impacts on different parts of a chosen developing/emerging city			
Understand the effects of rapid urban growth			
Explain the advantages and disadvantages of bottom up and top down projects to improve the standard of living			
Explain the role of government policies in improving the quality of life (social, environmental, economic)			

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Unit 2: The Human Environment SECTION B					
<i>Global Development</i>					
Know the different ways in which development can be defined and criteria involved					
Understand the different factors that contribute to human development					
Describe how development is measured; GDP per capita, HDI					
Describe the global pattern of development- unevenness between and within countries					
Explain the factors that have led to spatial variations					
Describe and explain the impacts of uneven development					
Describe the range of strategies to reduce uneven development					
Know the difference between top down and bottom up development projects					
<u>Development case study of a chosen emerging or developing country</u>					
Know the location and position of chosen country- regionally and globally					
Understand the broad political, social, cultural and environmental context of chosen country - regionally and globally					
Explain the unevenness of development with the chosen country					
Describe the impacts of changing employment sectors					
Understand the characteristics of international aid and trade					
Explain the changing balance between public and private investment					
Explain the changes in population in population structure over the last 30 years					
Know the changing social factors in the chosen country					
Evaluate the geopolitical relationships the chosen country and how they affect development (foreign policies, defence, military pacts, disputes)					
Discuss how technology and connectivity support development within the chosen country					
Evaluate the impacts of such rapid development (social, environmental and economic)					

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Unit 2: The Human Environment SECTION C						
Topic 6 You will have to answer questions of one of the below topics						
Resource Management						
Define and classify the different types of resources						
Describe the global variety and distribution of natural resources						
Energy Resource Management						
Define the different types of energy resource						
Describe the advantage and disadvantage of one non renewable energy source						
Describe the advantage and disadvantage of one renewable energy source						
Know the UK's energy mix						
Compare different country's energy mix and how they are dependant on a number of factors						
Know how and why energy demand has changed over the last 100 years						
Assess the impacts of developing non renewable energy sources						
Assess the impacts of developing renewable energy sources						
Evaluate how technology can resolve resource shortages (fracking)						
Assess the different attitudes to the exploitation and consumption of energy resources						
Explain why energy resources require sustainable management						
Evaluate how a named developed country manages its energy resources in a sustainable way						
Evaluate how a named developing/emerging country manages its energy resources in a sustainable way						
Water Resource Management						
Describe the global distribution of fresh water						
Explain why some parts of the world have a water surplus and others a deficit						
Know how and why water demand has changed over the last 100 years						
Describe the water mix of developed and developing/emerging countries (domestic, agriculture, industry)						
Explain why the UK has water supply problems						
Explain why emerging countries have water supply problems						
Assess the different attitudes to the exploitation and consumption of water resources						
Evaluate how technology can resolve water resource shortages						
Evaluate how a named developed country manages its water resources in a sustainable way						
Evaluate how a named developing/emerging country manages its water resources in a sustainable way						

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Unit 3: Geographical Investigations SECTION A					
<i>Topic 7 You will have to answer one physical fieldwork investigation and one human</i>					
Physical fieldwork- Rivers or coasts					
Develop an understanding of the kind of questions that can be investigation through fieldwork in river or coastal environments					
Use different data collection techniques; quantitative and qualitative					
Explain why living near rivers or coasts can have implications					
Use secondary data such as Britain Geological Survey to answer a geographical investigation					
Human fieldwork- Inner urban area or rural area					
Develop an understanding of the kind of questions that can be investigation through fieldwork in urban or rural environments					
Use different data collection techniques; quantitative and qualitative					
Assess the interaction between physical landscape features and the areas residents and visitors					
Use secondary data such as National Statistics to answer a geographical investigation					
Unit 3: Geographical Investigations UK challenges SECTION B					
<i>Topic 8 You will have to answer all questions from 4 themes</i>					
Theme 1: UK 's use of resources and environmental sustainability					
Explain the changes that may occur in the UK's population during the next 50 years					
Describe the pressures on UK's ecosystems due to the growing population					
Assess the different sustainable transport options that are used in the UK					
Theme 2: Challenges presented by UK settlement, population and economic changes					
Explain the "two speed" economy and the options for bridging the gap between the South East and the rest of the UK					
Assess the costs and benefits to both greenfield development and brownfield regeneration					
Analyse UK net migration statistics and their reliability					
Evaluate the different attitudes of stakeholders towards migration					
Theme 3: The UK's landscape challenges					
Evaluate the approaches to conservation and development of the UK's national parks					
Assess the different approaches to managing the UK's rivers and coasts					
Theme 4: The UK's climate change challenges					
Explain the uncertainties about global climate change and how they impact on the UK's future climate					
Explain the impacts of climate change on people and landscapes in the UK					
Assess the range of response to climate change in the UK; local and national scale					