DRAFT SPECIMEN MATERIAL

AS GEOGRAPHY

Paper 1 Physical geography and people and the environment

Specimen Question Paper

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- a pencil
- a rubber
- a ruler.

You may use a calculator.

Instructions

- Answer either Question 1 or Question 2 or Question 3 in Section A.
- Answer either Question 4 or Question 5 in Section B.

Information

• The total number of marks available for this paper is 80.

Advice

For the multiple-choice questions, completely fill in the circle alongside the appropriate answer.	
CORRECT METHOD WRONG METHODS 🚿 💽 🚌 ⊄	
If you want to change your answer you must cross out your original answer as shown.	
If you wish to return to an answer previously crossed out, ring the answer you now wish to select a shown.	15

Please write clearly, in block capitals, to allow character computer recognition.						
Centre number	Candidate number					
Surname						
Forename(s)						
Candidate signature						

This draft qualification has not yet been accredited by Ofqual. It is published to enable teachers to have early sight of our proposed approach to AS Geography. Further changes may be required and no assurance can be given that this proposed qualification will be made available in its current form, or that it will be accredited in time for first teaching in September 2016 and first award in August 2017.

Section A

Answer **one** question.

Answer either Question 1 or Question 2 or Question 3.

Shade the circle	e below to indicate which optional question you have answered.	
Question 0 1		
CORRECT METHOD	WRONG METHODS Image: Comparison of the second s	
Question 1 Wa	ater and carbon cycles	
01.1W	hich terms are associated with drainage basin land transfers?	
Α	Evaporation, precipitation and transpiration.	0
В	Infiltration, percolation and throughflow.	0
C	Interception, condensation and evaporation.	0
D	Lakes, river discharge and groundwater.	0
		[1 mark]
	hich is the natural or artificial process by which carbon dioxide is mosphere and held in solid or liquid form?	removed from the
Α	Carbon sequestration	0
В	Combustion	0
С	Compaction	0
D	Photosynthesis	0

[1 mark]

0 1 . 3 What is a major factor responsible for driving change in the magnitude of carbon stores?				
۵	Deforestation	\bigcirc		
В	Diffusion	\bigcirc		
C	Climate change	\bigcirc		
D	Mass movement	\bigcirc		
			[1 mark]	
01.4V	Vhen is natural variation in the water cycle likely to occur?			
A	When a major dam project is undertaken which disrupts the flow of water through a drainage basin.	\bigcirc		
E	When an earthquake triggers a tsunami.	\bigcirc		
C	When global climate cools leading to increased amount of land-based ice storage.	0		
C	When widespread deforestation occurs leading to a disruption in convection rainfall.	\bigcirc		
			[1 mark]	
01.5	lame one process involved in the transfer of carbon.			
A	Decomposition	0		
B	Evaporation	\bigcirc		
C	Runoff	\bigcirc		
D	Soil compaction	\bigcirc		
			[1 mark]	

Question 1 continues on the next page

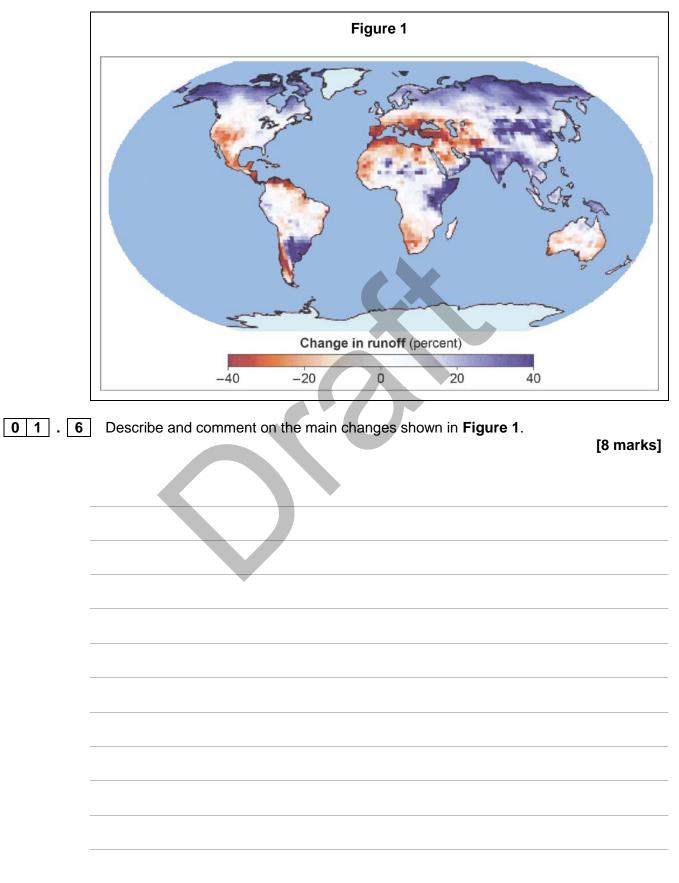
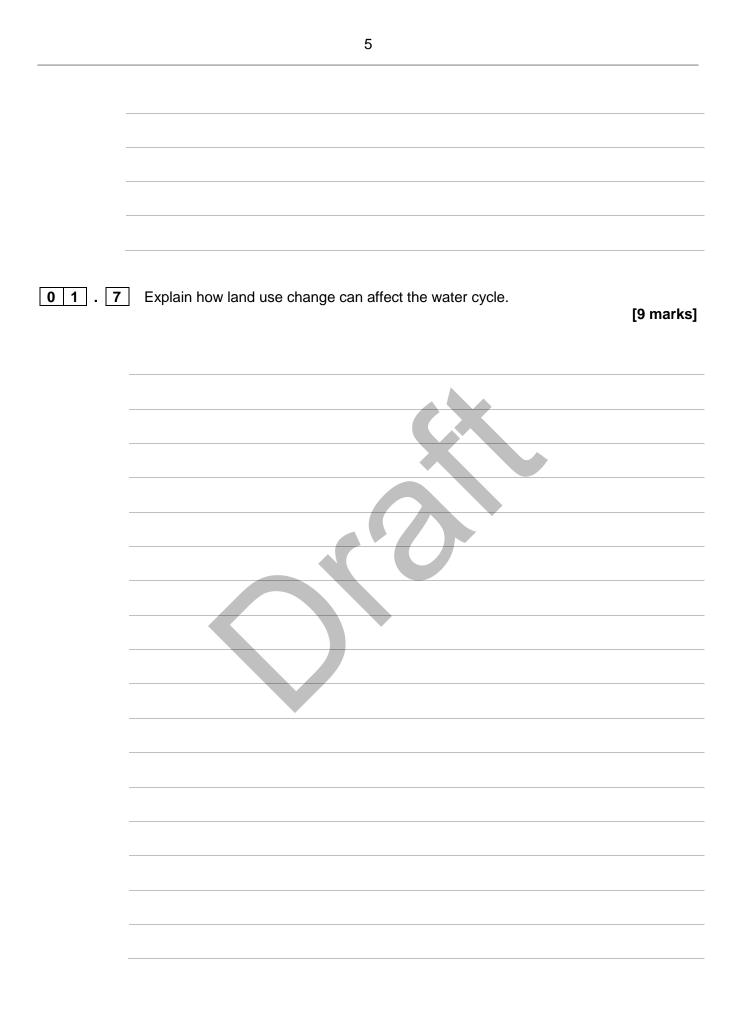


Figure 1 shows anticipated changes in drainage basin runoff by the end of the 21st century.



0 1 . 8 With reference to a river catchment that you have studied, examine the impact of precipitation upon drainage basin stores and transfers. [18 marks]

Extra space:
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Question 2	Но	t desert environments and their margins					
02.1	WI	What is a wadi the product of?					
	A	Ancient courses of rivers, further developed by torrents after periods of heavy rain.	0				
	в	Heavy rain which creates temporary lakes in desert areas.	\bigcirc				
	С	Strong winds over long periods which erode the landscape.	0				
	D	Weathering of softer rocks which leaves these prominent features in the landscape.	0				
				[1 mark]			
02.2		hat is a depression in the land caused by weathering and wind e serts called?	erosion in h	ot			
	Α	Deflation hollow	\bigcirc				
	В	Inselberg	\bigcirc				
	С	Pediment	\bigcirc				
	D	Yardang	\bigcirc	[4			
				[1 mark]			
02.3	Th	e erosional process of deflation can create which landform?					
	A	Alluvial fans	0				
	В	Badlands	\bigcirc				
	С	Desert pavements	\bigcirc				
	D	Sand dunes	\bigcirc	F4			
				[1 mark]			

0 2 . 4 What are exogenous water supplies in deserts created by? A closed drainage basin that retains water. \bigcirc **B** An underground supply of groundwater. \bigcirc **C** A very heavy downpour caused by convection rainfall. \bigcirc D Rivers which bring water from outside the area. \bigcirc [1 mark] **0 2** . **5** Which of these will allow hot desert areas to become productive for human use? A Building settlements away from rivers to avoid problems of \bigcirc flooding. B Deforestation to create lots of fuelwood for local people. \bigcirc C Irrigation schemes channelling water from nearby rivers. \bigcirc **D** Planting crops to support a growing population. \bigcirc [1 mark]

Question 2 continues on the next page

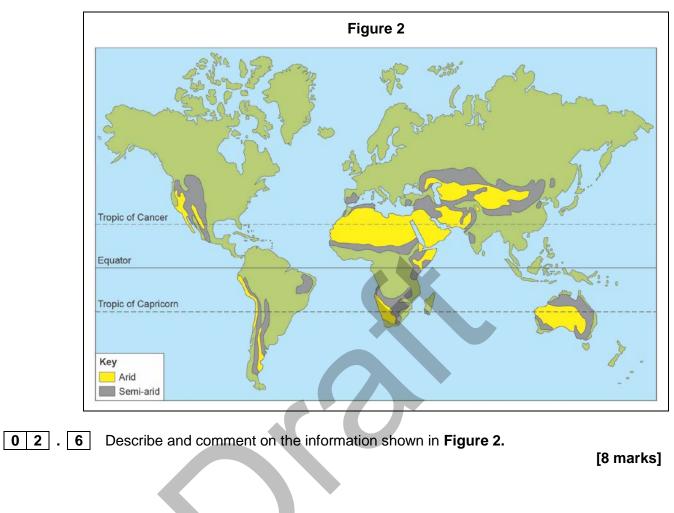
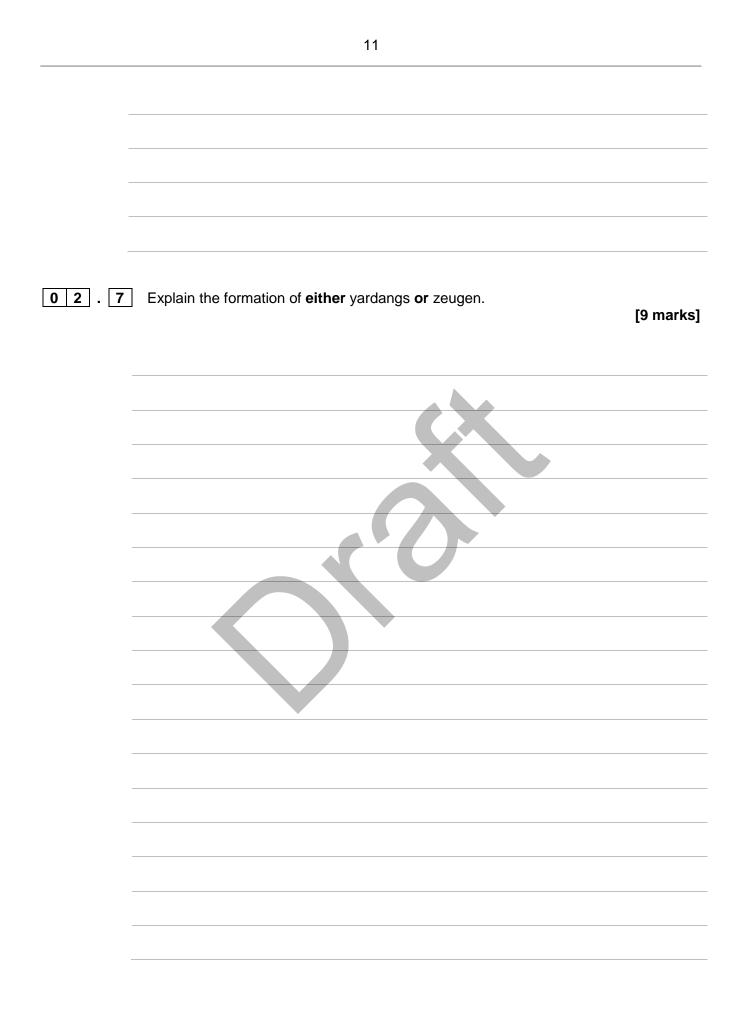


Figure 2 shows the location of major world desert areas (arid) and areas at risk of desertification (semi-arid).

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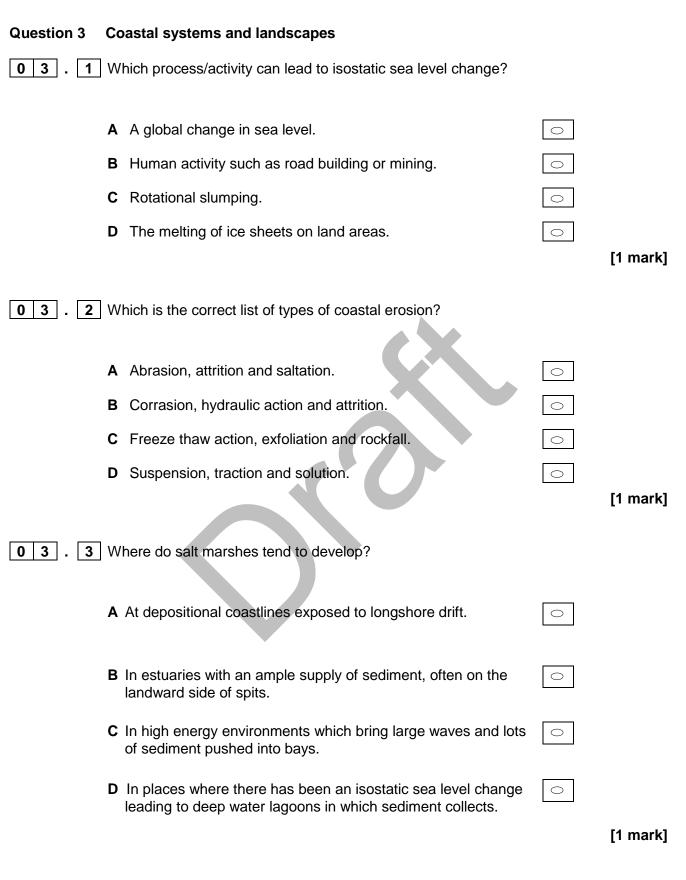
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02.8 'Increasing desertification is inevitable in the coming decades.' To what extent do you agree with this view? [18 marks]

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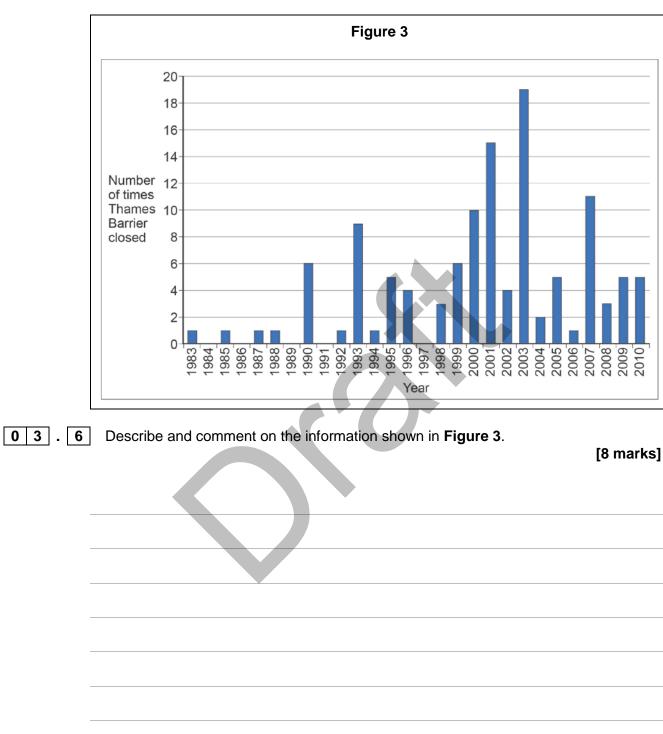


Question 3 continues on the next page

0 3 . **4** What are coastal stacks a product of?

	Α	Arch collapse.	\bigcirc	
	В	Eustatic sea level change.	\bigcirc	
	С	Isostatic sea level change.	\bigcirc	
	D	Rotational slumping at the coastline.	\bigcirc	
				[1 mark]
. 5	Wł	nich are common characteristics of constructive waves?		
	Α	High frequency, low wave height, more powerful backwash than swash.	0	
	В	Low frequency, high wave height, more powerful swash than backwash.	0	
	С	Low frequency, high wave height, more powerful backwash than swash.	0	
	D	Low frequency, low wave height, more powerful swash than backwash.	0	
				[1 mark]

0 3



The Thames Barrier is designed to protect London from flooding. **Figure 3** shows the number of times the barrier closed between 1983 and 2010.

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0 3 . 7	Explain the formation of one or more submergent landforms associated with eustation sea level change. [9 marks]
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0 3 . 8	'Coastal flooding and erosion are set to become an increasing challenge in many



Extra space:
Section B

Answer **one** question.

Answer either Question 4 or Question 5.

Shade the cir	cle below to	o indicate whicl	n optional que	stion you have answe	red.
Question 0	4 🔾	Question 0	5 🔾		
CORRECT METHO	D		WRONG METHOD	s 🗴 • 🌊 ⊄	
Question 4	Hazards				
04.1	Outline the	e causes of sei	smic activity.		[4 marks]
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Question 4 continues on the next page

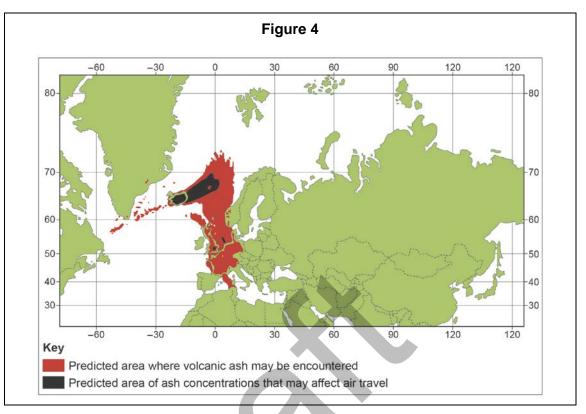


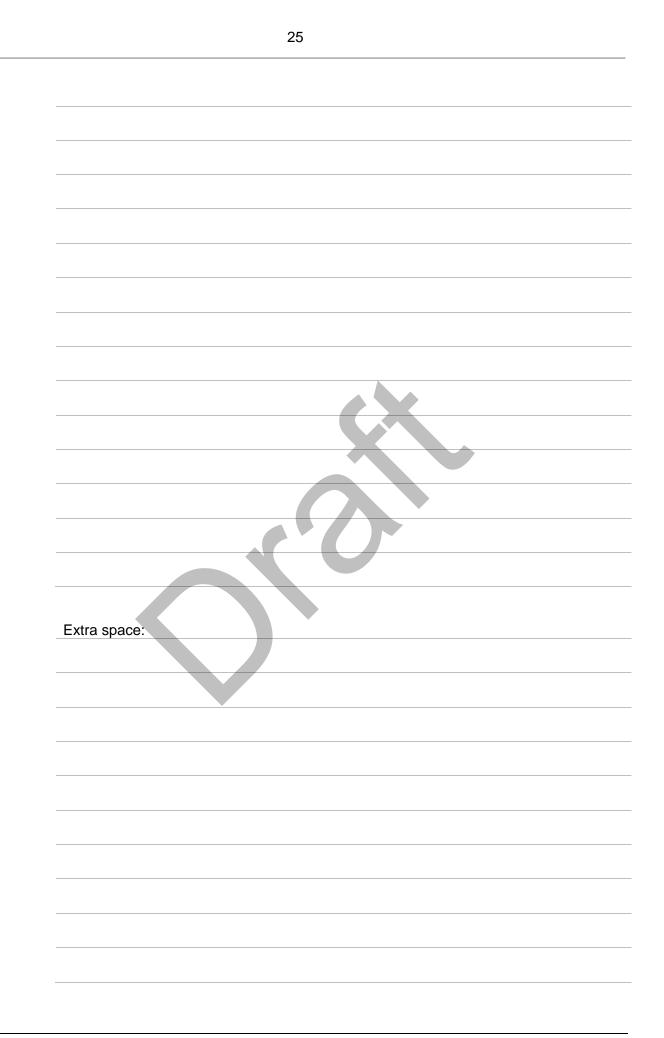
Figure 4 shows information about an ash cloud following the eruption of an Icelandic volcano in 2010.

0 4 . 2 Using Figure 4, describe and comment on the potential impact of the ash cloud. [6 marks]

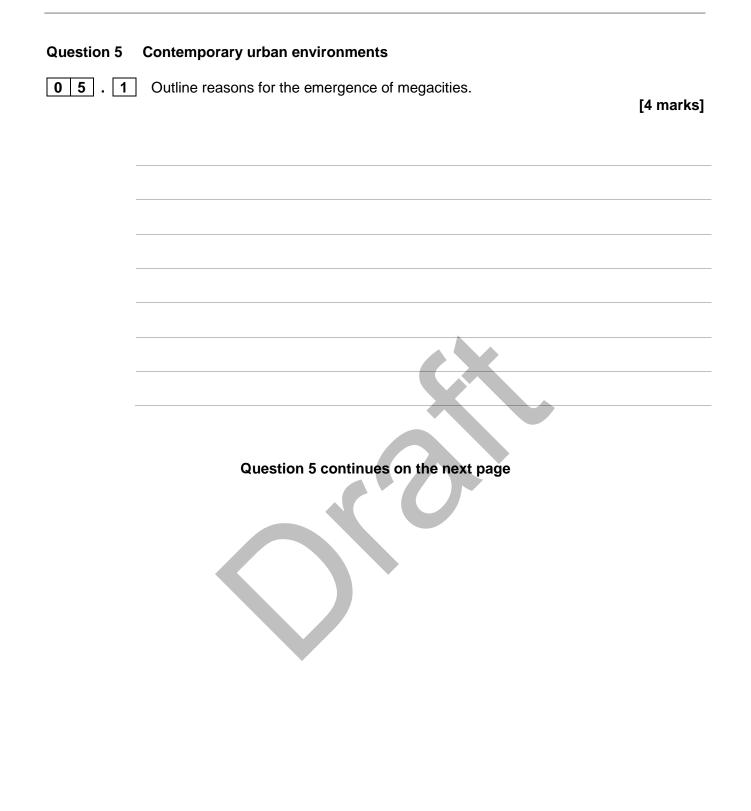


04.3	Compare the economic impacts of two tropical storms that you have	studied. [6 marks]
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04.4	Assess the responses to one tropical storm that you have studied.	[6 morko]
		[6 marks]
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04.5	With reference to one seismic event that you have studied, evaluate the management of and responses to the event.	
		[18 marks]
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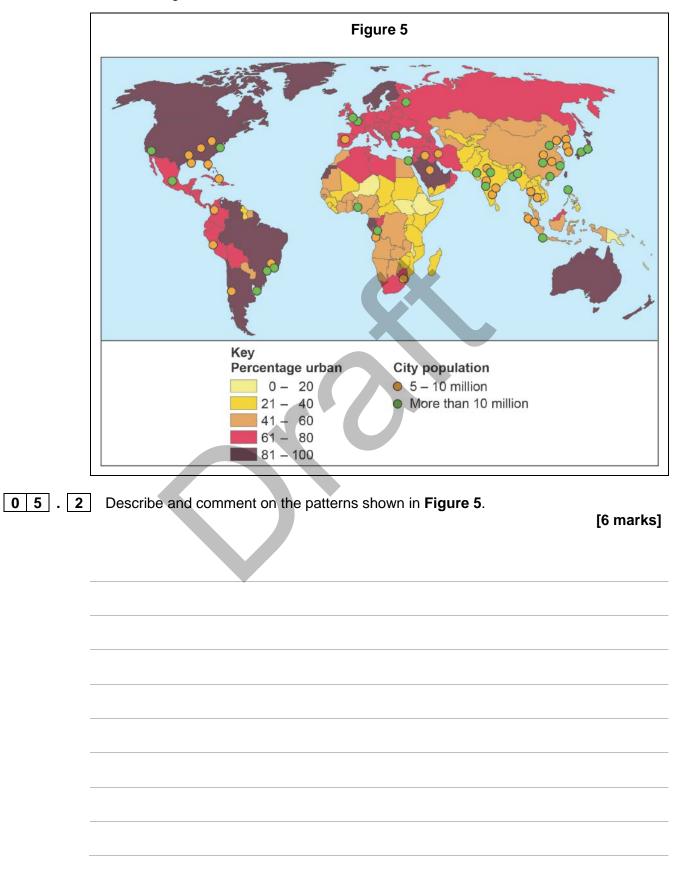
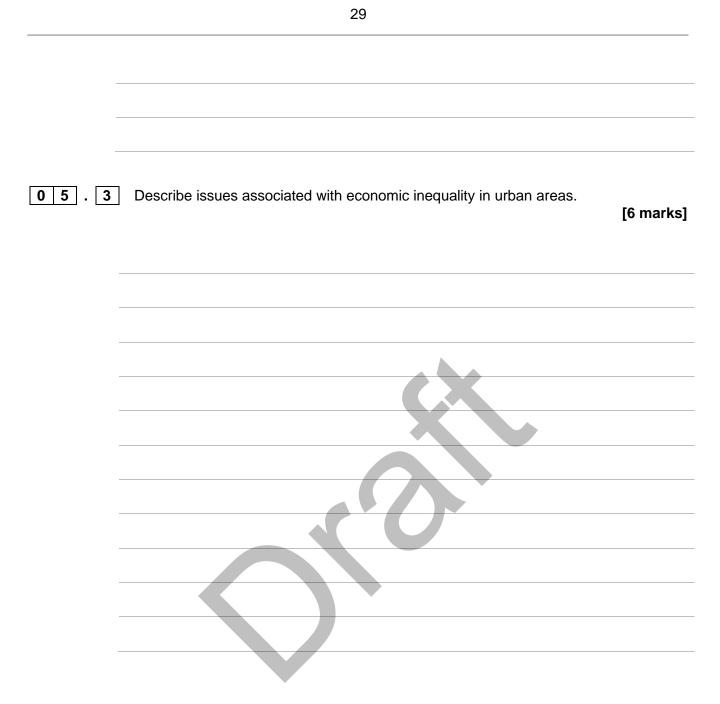
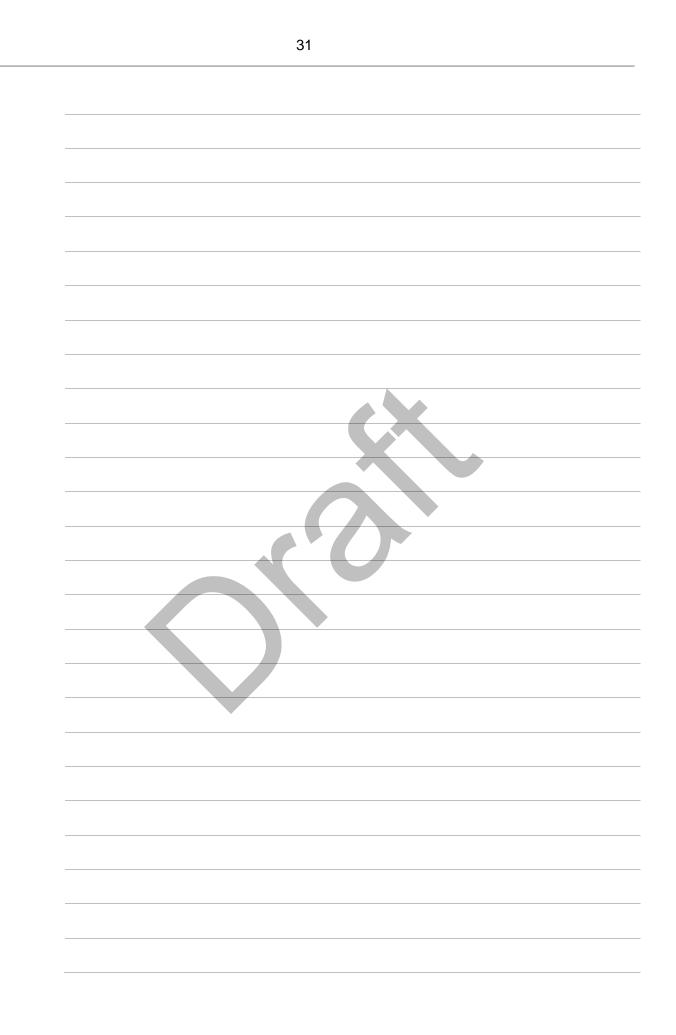


Figure 5 shows the percentage urban population by country and location of the world's largest cities in 2014.



Question 5 continues on the next page

0 5 . 4	Explain the advantages of sustainable urban drainage systems (SUDS).	[6 marks]
0 5 . 5	Discuss the challenges and opportunities associated with improving air quurban areas.	ality in [18 marks]
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Extra space: **END OF QUESTIONS**

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