

**2016 specification**  
first exams in 2018

# **Learning Grids**

## **for A Level AQA Geography**

Component 2: Human Geography  
*Section C: Contemporary Urban Environments*

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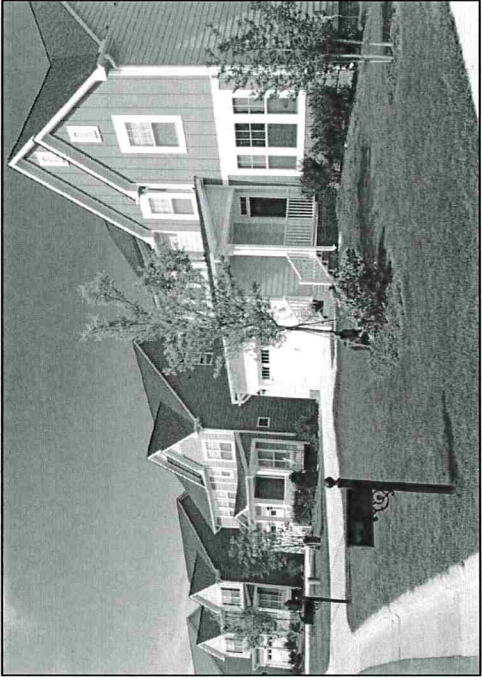
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# Learning Grid 1: Urbanisation

HOD: pp. 379–391  
CAM: pp. 354–373

Question		Answer	
1	Define 'urbanisation'.		
2	Match the following words to the correct definitions. <ul style="list-style-type: none"> <li>• Urban sprawl</li> <li>• Suburbanisation</li> <li>• Counter-urbanisation</li> <li>• Urban resurgence</li> </ul>	Urban sprawl  Suburbanisation  Counter-urbanisation  Urban resurgence	When an urban area in decline becomes redeveloped and regenerated.  When the countryside surrounding an urban area starts becoming engulfed by its expansion.  When people move from large urban areas to smaller urban areas or to rural locations.  When people living in the inner city move to the surrounding areas of the city.
3	Complete the sentence by filling in the gaps.		Often urban growth is caused by rural–urban migration which comes about due to certain factors called _____ and _____ factors.
4	Why does rural–urban migration occur? Refer to the terms you gave in question 3.		

Urbanisation

Question		Answer
5	Explain how natural population growth leads to urbanisation.	
6	Name three issues with urban sprawl.	
7	The photo shows a suburban street in the USA. What are some of the typical features of suburban settlements?	


Urbanisation

Question		Answer						
Urbanisation	8	<p>Fill in the table to explain the causes and effects of suburbanisation and counter-urbanisation.</p> <table border="1"> <thead> <tr> <th>Cause:</th> <th>Effect:</th> </tr> </thead> <tbody> <tr> <td>Suburbanisation</td> <td></td> </tr> <tr> <td>Counter-urbanisation</td> <td></td> </tr> </tbody> </table>	Cause:	Effect:	Suburbanisation		Counter-urbanisation	
	Cause:	Effect:						
	Suburbanisation							
Counter-urbanisation								
9	<p>What is meant by 'deindustrialisation'?</p>							
10	<p>Explain how deindustrialisation can lead to urban areas undergoing urban resurgence.</p>							

Question		Answer
		When a city or town council increases the number of people in the local police force, thus increasing the policing of the urban area.
11	Tick the box next to the description that best fits term 'urban policy'.	Investment made by a private company that is pumped into an urban area through infrastructure-based development.
		A measure taken by local authorities or governments to develop urban areas through political or legal frameworks.
Urbanisation	12	What is/was the urban policy?
		When was this policy devised and who was responsible for devising it?
		What does/did the policy aim to achieve?
		What are some examples of the policy in practice?
		How successful is/was the policy?


# Learning Grid 2: Urban forms: world cities and megacities

HOD: pp. 391–398  
CAM: pp. 373–377

Question		Answer
1	What are the main features of a world city?	
2	What is meant by the term 'megacity'?	
3	Locate and identify three megacities and label them on the map.	

Urban forms: world cities and megacities

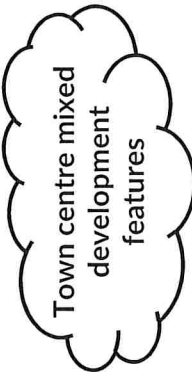
Question		Answer													
Urban forms: world cities and megacities	4	Complete the fact file for one of the megacities you have identified on the map in question 3.	<table border="1"> <tr> <td>Megacity name:</td> <td></td> </tr> <tr> <td>Country:</td> <td></td> </tr> <tr> <td>Is it the capital?</td> <td></td> </tr> <tr> <td>HIC/LIC/NEE?</td> <td></td> </tr> <tr> <td>Population (give source):</td> <td></td> </tr> </table>	Megacity name:		Country:		Is it the capital?		HIC/LIC/NEE?		Population (give source):			
	Megacity name:														
	Country:														
	Is it the capital?														
	HIC/LIC/NEE?														
Population (give source):															
5	Why might urban population data not be an accurate measurement?														
6	Use the table to weigh up the costs and benefits of megacities to people, the economy and the environment.														
		<table border="1"> <tr> <td></td> <td><b>Benefits:</b></td> <td><b>Costs:</b></td> </tr> <tr> <td><b>People</b></td> <td></td> <td></td> </tr> <tr> <td><b>Economy</b></td> <td></td> <td></td> </tr> <tr> <td><b>Environment</b></td> <td></td> <td></td> </tr> </table>		<b>Benefits:</b>	<b>Costs:</b>	<b>People</b>			<b>Economy</b>			<b>Environment</b>			
	<b>Benefits:</b>	<b>Costs:</b>													
<b>People</b>															
<b>Economy</b>															
<b>Environment</b>															

Question		Answer
Urban forms: world cities and megacities	7	
	8	 <p>Inner-city features</p>



Question	Answer		
<p>Urban forms: world cities and megacities</p> <p>9</p> <p>Complete the table to show where each urban subsection is usually found within the urban area and what its main features are.</p>	<p>Urban subsection: Residential area</p>	<p>Where this is usually found:</p>	<p>What the features are:</p>
	<p>Green area</p>		
	<p>Business parks</p>		
	<p>Informal settlements</p>		
	<p>Industrial areas</p>		
	<p>Edge cities</p>		
	<p>Heritage/cultural quarters</p>		

Question		Answer	
		Gentrification is...	
10	What is 'gentrification' and what are its pros and cons?	Some pros of gentrification include...	
		Some cons of gentrification include...	
11	<p>What is a fortress development and do you think it is a good method of governing urban areas? Explain your answer.</p> <p>Hint: think about the following in your answer:</p> <ul style="list-style-type: none"> <li>• Features of a fortress development</li> <li>• What the main aims are of developing a fortress landscape</li> <li>• What the positives are</li> <li>• What the negatives are</li> <li>• Whether or not it is a fair method of urban governing</li> </ul>		
<b>Urban forms: world cities and megacities</b>			

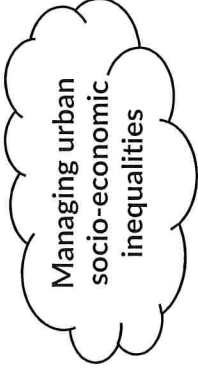
Question		Answer
12	What is meant by a 'postmodern western city'?	
13	Complete the mind map to show what the main features are of a town centre mixed development area.	 <p>Town centre mixed development features</p>
Urban forms: world cities and megacities		

## Learning Grid 3: Socio-economic issues of urbanisation

HOD: pp. 398–405  
CAM: pp. 377–382

Socio-economic issues of urbanisation		Question	Answer
1	What is meant by 'economic inequality'?		
2	Complete the sentence.		Economic inequality can occur for a number of reasons and has a lot of knock-on effects. These include the exclusions or separations of groups of people known as .....
3	How are economic inequality and the term you referred to in question 2 related?		

Question		Answer
<p style="text-align: center;">4</p> <p style="text-align: center;">The UK's Index of Multiple Deprivation has seven factors that make up the deprivation measurement. Fill in the table to explain how each factor can be used to measure deprivation in urban areas.</p>	<p>Socio-economic issues of urbanisation</p>	<p>How this factor relates to deprivation:</p>
	Factor:	
	Income	
	Employment	
	Health and disability	
	Education and skills	
	Crime	
	Housing and services	
Living environment		

Question		Answer
5	Do you think the Index of Multiple Deprivation is a good method of measuring deprivation? Explain your answer.	
6	Complete the mind map to show how urban socio-economic inequalities can be managed.  Hint: it may be useful to think about the seven factors of the Index of Multiple Deprivation and see what could be done to improve the issues that arise from each one.	
7	What is 'cultural diversity'?	

Socio-economic issues of urbanisation

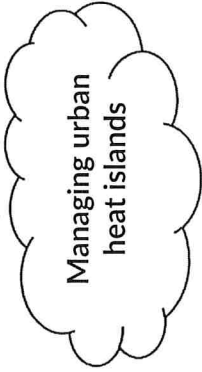
Question		Answer
8	Why is cultural diversity more likely to occur in urban areas?	
9	Fill in the missing word.	The term given to a group of people from one particular cultural group or country who settle in a different country is _____.
10	How does cultural diversity lead to social segregation?	
Socio-economic issues of urbanisation		

## Learning Grid 4: Urban climate

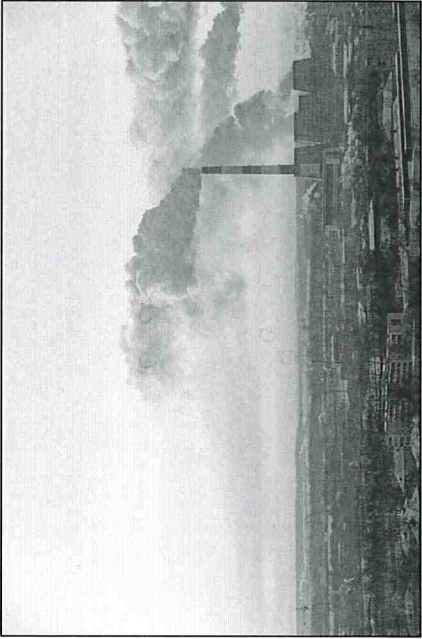
HOD: pp. 405–415  
CAM: pp. 382–387

		Question	Answer
Urban climate	1	<p>Fill in the gaps with the following words: (Note: words may be used more than once)</p> <p>differ air pollution dome microclimates building</p>	<p>Urban areas have their own _____. This is where the climate in that area differs from its surroundings in something called an urban _____. These climates _____ in terms of temperature, precipitation, air quality, visibility, humidity and wind speeds. Urban _____ are affected by urban forms such as _____ positioning, _____ materials and levels of _____.</p>
	2	<p>What is an urban heat island and how does it form?</p>	
	3	<p>What are the issues with urban heat islands?</p>	

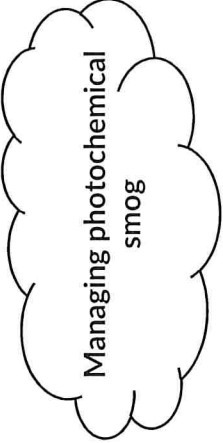


Question		Answer
4	Complete the mind map to show how urban heat islands can be managed to reduce the risks associated with them.	
5	Explain how the following factors affect precipitation over urban areas: <ul style="list-style-type: none"> <li>• urban heat islands</li> <li>• high-rise buildings</li> <li>• pollution</li> <li>• industrial factors</li> </ul>	urban heat islands
		high-rise buildings
		pollution
		industrial factors
6	What is the problem with urban fog?	

Urban climate

Question		Answer
7	<p>Fill in the gaps with the words below. (Note: not all words will need to be used.)</p> <p>convictional                      lightning  positive                              rise  thunder                                negative  conductional                        heat  cloud                                    radiation  charge                                  condensation  urban                                    fall</p>	<p>Urban thunderstorms occur due to _____ uplift. _____ occurs, forming water droplets, hail and ice. This mixes with the uplift, creating a _____. _____ charges occur, which causes _____. Air temperatures _____, causing air to expand, creating the sound of _____.</p>
8	<p>Explain how urban forms can affect wind speeds and directions. Refer to the following terms in your answer:</p> <ul style="list-style-type: none"> <li>• channelling</li> <li>• Venturi effect</li> <li>• canyons</li> </ul>	
9	<p>What is photochemical smog and how does it affect air quality in urban areas?</p>	

Urban climate

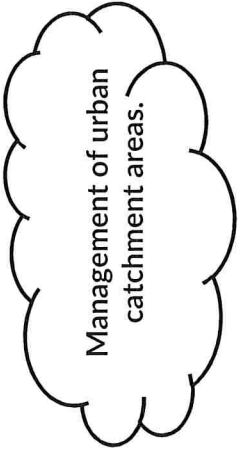
Question		Answer
Urban climate	<p>10</p> <p>Complete the mind map to show what can be done to manage photochemical smog.</p>	

# Learning Grid 5: Urban drainage and SUDS

HOD: pp. 415–419  
CAM: pp. 387–391

Question		Answer
1	Is the statement true or false? Circle your answer.	True
2	<p>a) Annotate the hydrograph to show the following attributes:</p> <ul style="list-style-type: none"> <li>• rising limb</li> <li>• falling limb</li> <li>• peak discharge</li> <li>• peak rainfall</li> <li>• lag time</li> </ul> <p>b) List three pieces of information about the storm that can be taken from studying the hydrograph.</p>	<p>False</p>

Urban drainage and SUDS

Question		Answer
3	What are the main characteristics of urban catchment areas?	
4	What are the issues with urban catchment areas regarding the movement of rainwater?	
5	Complete the mind map to show how urban catchment areas can be managed.	 <p>Management of urban catchment areas.</p>
6	Evaluate whether or not you think urban catchment management is a useful measure.	

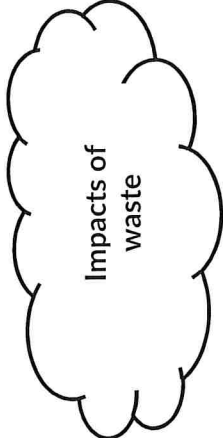
Urban drainage and SUDS

Question		Answer
7	What does 'SUDS' stand for?	
8	How are SUDS used and are they effective?	
9	How might river restoration help to improve damaged urban catchments?	
Urban drainage and SUDS		

Question		Answer
Urban drainage and SUDS	10	Project name:
		Why was this project initiated?
		What were the aims of this project?
		Who was involved with this project?
		What happened during the process of the project?
		What were the outcomes?
		Was the overall outcome a success?
	Fill in the table with reference to a river restoration and/or conservation project that you have studied.	

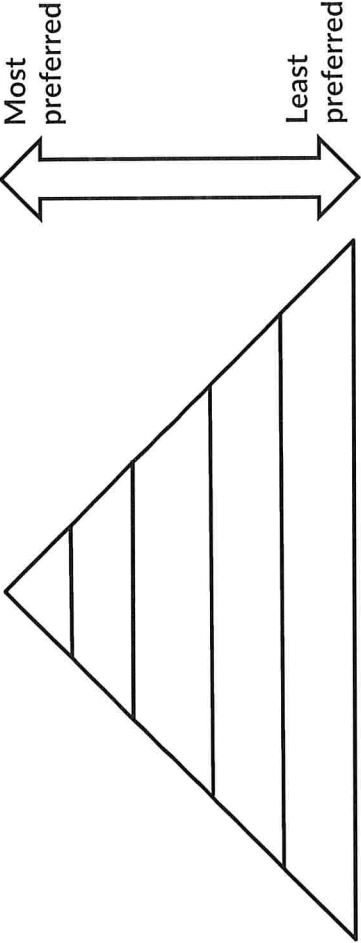
# Learning Grid 6: Urban waste disposal

HOD: pp. 420–425  
CAM: pp. 392–394

Question		Answer
1	<p>Give an example for each of the following sources of waste:</p> <ul style="list-style-type: none"> <li>• industrial</li> <li>• commercial</li> <li>• personal consumption</li> </ul>	<p>Industrial</p> <p>Commercial</p> <p>Personal consumption</p>
2	<p>Give two reasons for the increase in urban waste. Explain your answers fully.</p>	
3	<p>Complete the mind map to show the impacts of waste. Think about the impacts on both people and the environment.</p>	

Urban waste disposal



Question		Answer
4	<p>Annotate the diagram to show the waste hierarchy using the labels below:</p> <ul style="list-style-type: none"> <li>• recover</li> <li>• dispose</li> <li>• reuse</li> <li>• recycle</li> <li>• reduce</li> </ul>	
5	<p>a) What is meant by waste recycling and recovery?</p> <p>b) Do you think these two options, of recycling and of recovery, are good strategies for waste management? Explain your answer.</p>	
6	<p>What is waste incineration and what are its pros and cons?</p>	<p>Incineration is...</p> <p>Pros of incineration are...</p> <p>Cons of incineration are...</p>

Urban waste disposal

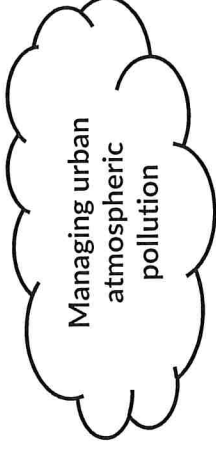
Question		Answer
7	<p>Burial of waste in a landfill site is often argued as problematic. Evaluate whether or not burial of waste by landfill is always a problematic waste management strategy.</p>	
8	<p>Fill in the gaps with the words below to complete the explanation of submergence. Words may be used more than once or not at all:</p> <ul style="list-style-type: none"> <li>• pollution</li> <li>• land</li> <li>• aquatic</li> <li>• legal</li> <li>• water</li> <li>• submerged</li> <li>• illegal</li> <li>• contamination</li> <li>• containerisation</li> </ul>	<p>Submergence is where waste is buried under ..... Submergence of waste in the world's oceans is ..... but a lot of waste is disposed of through ..... and is subsequently ..... in other bodies of ..... There are many issues that arise from waste submergence including ....., ..... and loss of ..... wildlife.</p>
9	<p>What is waste trade and what are the pros and cons of this as a strategy for waste disposal?</p>	<p>Waste trade is...</p> <p>Pros of waste trade are...</p> <p>Cons of waste trade are...</p>

Urban waste disposal

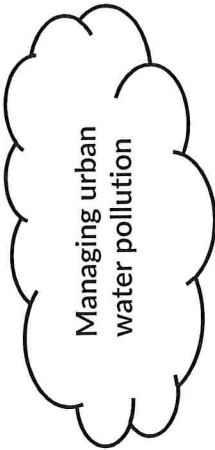
Question		Answer
<p>Urban waste disposal</p>	<p>10</p> <p>Fill in the grid to complete the fact file for an example of a landfill and incineration waste management strategy for an urban area that you have studied.</p>	<p>Urban area:</p> <p>Landfill approach:</p> <p>Incineration approach:</p> <p>Evaluate which, if any, is the better solution to urban waste management:</p>

## Learning Grid 7: Urban environmental issues: pollution and dereliction

HOD: pp. 425–431  
CAM: pp. 394–396

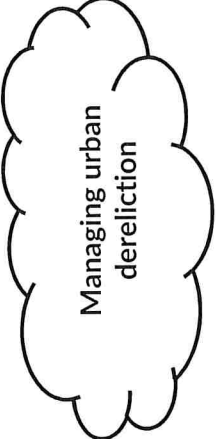
Question		Answer
1	Briefly outline what is meant by atmospheric pollution.	
2	What are the problems with atmospheric pollution?	
3	Complete the mind map to show how atmospheric pollution can be managed in urban areas.	
4	Briefly outline what is meant by water pollution.	

Urban environmental issues: pollution and dereliction

Question		Answer
5	What are the problems with water pollution?	
6	Complete the mind map to show how water pollution can be managed in urban areas.	 <p>Managing urban water pollution</p>
7	How does pollution differ between contrasting urban areas? Relate your answer to urban areas in HICs and LICs.	

Urban environmental issues: pollution and dereliction

Question		Answer												
8	<p>Urban environmental issues: pollution and dereliction</p> <p>Tick the description that best fits the term 'dereliction'.</p>													
9	<p>Fill in the table to show how dereliction differs between urban areas in HICs and LICs.</p>	<table border="1"> <thead> <tr> <th></th> <th>Urban areas in HICs</th> <th>Urban areas in LICs</th> </tr> </thead> <tbody> <tr> <td><b>Example:</b></td> <td></td> <td></td> </tr> <tr> <td><b>Types of dereliction:</b></td> <td></td> <td></td> </tr> <tr> <td><b>What are the issues and who is affected:</b></td> <td></td> <td></td> </tr> </tbody> </table>		Urban areas in HICs	Urban areas in LICs	<b>Example:</b>			<b>Types of dereliction:</b>			<b>What are the issues and who is affected:</b>		
	Urban areas in HICs	Urban areas in LICs												
<b>Example:</b>														
<b>Types of dereliction:</b>														
<b>What are the issues and who is affected:</b>														

Question	Answer
<p>Urban environmental issues: pollution and dereliction</p> <p>10</p> <p>Complete the mind map to show how urban dereliction can be managed. You should aim to use an example you have studied or researched.</p>	


## Learning Grid 8: Sustainable urbanisation

HOD: pp. 431–442  
CAM: pp. 397–404

Question		Answer
1	What is meant by 'sustainability'?	
2	What is an ecological footprint and why are they an important factor in determining how sustainable a city or urban area is?	
3	Give an example of, and explain, an urban feature that is considered to be environmentally sustainable.	
4	Give an example of, and explain, an urban feature that is considered to be economically sustainable.	

Sustainable urbanisation



Question		Answer
5	Give an example of, and explain, an urban feature that is considered to be socially sustainable.	
6	To what extent is it important that social, economic and environmental factors of sustainability are considered holistically when developing an urban area?	
7	Complete the mind map to show some of the difficulties facing sustainable urbanisation.	

Sustainable urbanisation

Question		Answer
8	Do you think there are different or similar challenges facing HICs and LICs when considering sustainable urbanisation? Explain your answer.	
9	Fill in the template to show what is meant by 'liveability'.	<p>Liveability is...</p> <p>This relates to urban sustainability because...</p> <p>An example of good liveability is...</p>
10	To what extent is governance of urban areas an important factor in sustainable urbanisation? Explain your answer fully and refer to local, national and global governance.	
Sustainable urbanisation		

## Learning Grid 9: Urban case studies

Urban case study:	Questions	Contrasting urban case study:
Urban area: <i>(name of first case study)</i>	<p><i>Answer the questions as you would normally but make sure to fill out both sets of answers for the two contrasting case studies.</i></p>	Contrasting urban area: <i>(name of second case study)</i>
	<p>1. What is the economic situation of this urban area?</p>	
	<p>2. What are the main social characteristics of this urban area?</p>	
	<p>3. What is the physical environment like in this urban area?</p>	

Urban case study:	Questions	Contrasting urban case study:
	<p>4. How much of the built environment incorporates natural environmental features?</p>	
	<p>5. Describe the relationship between the population and the environment of the urban area.</p>	
	<p>6. What are the main challenges this urban area faces?</p>	
	<p>7. What can be done to overcome the challenges that are outlined in question 6?</p>	

Urban case study:	Questions	Contrasting urban case study:
	<p>8. How does this urban area incorporate sustainable characteristics into its features?</p>	
	<p>9. What could this urban area do to be more socially sustainable?</p>	
	<p>10. What could this urban area do to be more environmentally sustainable?</p>	