

#### **GCSE Geography - Personal Learning Checklist**

#### **Exam Board - EDUQAS B**

G I am very confident, and I know this well

A I am not very confident. I may need to check with my teacher and spend more time working on this

I am not confident about this at all. I need to check with my teacher and ensure I have what I need to become confident

Topic - Coasts	Support	R	Α	<u>G</u>	RC
1. Types of waves – characteristics, reasons for them	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/1				
and where they are found.					
2. Types of erosion – what are they and what do they	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/4				
mean.					
3. Types of transportation – what are they and what do	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/5				
they mean.					
4. Types of weathering – what are they and what do	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/2				
they mean.					
5. Types of mass movement – what are they and what	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/3				
do they mean.					
6. Bays & headlands – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/zw8b6fr/revision/1				
7. Wave cut-platforms – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/zw8b6fr/revision/1				
8. Stacks – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/zw816fr/revision/1 https://www.bbc.co.uk/bitesize/guides/zw816fr/revision/3				
9. Deposition – what is it and what factors affect it.	https://www.bbc.co.uk/bitesize/guides/zxpx9qt/revision/6				
10. Longshore drift – what is it and how does it work.	https://www.bbc.co.uk/bitesize/guides/zt6r82p/revision/5				
11. Spits & bars – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/zw8b6fr/revision/2 https://www.bbc.co.uk/bitesize/guides/zw8b6fr/revision/3				
12. Beaches – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/zw8b6fr/revision/2				
13. Sand dunes – how and why do they form and how	https://www.bbc.co.uk/bitesize/clips/zxfd/ty				
do they change over distance from the sea.					
14. Hard engineering – what are the options, how do	https://www.bbc.co.uk/bitesize/guides/z38dv4l/revision/1				
they work, and what are the positive and negatives of					
each.					
15. Soft engineering – what are the options, how do	https://www.bbc.co.uk/bitesize/guides/138k/v4//revision/2 https://www.bbc.co.uk/bitesize/guides/138k/4//revision/3				
they work and what are the positives and negatives of					
each.					
16. Shoreline management plans (SMPs) – what are	https://www.bbc.co.uk/bitesize/guides/138k/v4j/revision/5 https://www.bbc.co.uk/bitesize/guides/138k/4j/revision/4				
they and what factors affect decisions.					
17. Borth, Wales – what is the SMP for Borth and why	https://www.bbc.co.uk/bitesize/guides/ztffqhv/revision/4				
was this chosen.					
18. Sea level rise – why is it happening, what could the	https://www.bbc.co.uk/bitesize/guides/r3qhxfr/revision/1				
effects (SEE) be and why are some coastal					
communities more at risk.					



Tania Disam	Commont				I I
Topic - Rivers	Support https://www.bbc.co.uk/hitesize/guides/ztgt/Thv/tevision/1.	<u>R</u>	A	<u>G</u>	RC
1 - Types of erosion – what are they and what do they	Video - https://timeforgeography.co.uk/videos_list/rivers/river-erosion-processes/				
mean.	https://www.bbc.co.uk/bitesize/guides/ztgf7hv/revision/2				
2 - Types of transportation – what are they and what do	Video - https://timeforgeography.co.uk/videos_list/rivers/river-transport-processes/ Video - https://timeforgeography.co.uk/videos_list/rivers/Explain-how-a-river-can-transport-				
they mean.	its-load/ https://www.bbc.co.uk/bitesize/guides/ztgf7hv/revision/3				
3 - Deposition – what is it and what factors affect it.	https://www.bbc.co.uk/bitesize/guides/z83ni6l/revision/4				
4 - Three courses – what are they called, what are they	Insperimental and the second s				
like and how are they used.	https://www.hbc.co.uk/hitasiza/guidas/##77h//revision/Δ				
<u>5 - Drainage basin</u> – what is it, how does water move	Video - https://www.youtube.com/watch?v=8LCrhihbsOc				
through it and what factors affect the way water moves	Video - https://timeforgeography.co.uk/videos_list/rivers/Study-the-diagram-of-a-drainage- basin/				
through it.					
<u>6 - Long profile</u> – what are they and what does it look	https://www.bbc.co.uk/bitesize/guides/ztgT/hv/revision/5				
like.					
7 - Cross profiles – what are they, what do they look	https://www.bbc.co.uk/bitesize/guides/xtgf7hv/revision/5				
like in each course and why do they look like this.					
8 - Waterfalls – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/z83nj6/frevision/1 Video https://himeforgeography.co.uk/videos_list/rivers/formation-waterfall-gorge/ Video https://himeforgeography.co.uk/videos_list/rivers/Explain-the-formation-of-a- waterfall-using-a-sequence-of-annotated-diserams/				
9 - Interlocking spurs – how and why do they form.	https://www.bbc.co.uk/httestre/guides/28/38/jif/revision/1  Video - https://www.youtube.com/watch?v=uWawm8mGVTU.				
10 – Meanders – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/z83nj6f/revision/2  Video - https://www.youtube.com/watch?v=9nRpkQZFxVs				
11 - Oxbow lakes – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/z83nj6f/revision/2  Video - https://www.youtube.com/watch?v=9nRpkQZFxVs				
12 - Levees – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/z83nj6f/revision/3  Video - https://www.youtube.com/watch?v=e2CT7WkA7ik				
13 - Floodplains – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/z83nj6l/revision/3  Video - https://timeforseeraphy.co.uk/videos_list/rivers/floodplains/				
14 - Estuaries – how and why do they form.	https://www.bbc.co.uk/bitesize/guides/x83nj6f/revision/3  Video - https://www.youtube.com/watch?v=liM2X_8-djk				
15 - Flood risk – what human and physical factors	https://www.bbc.co.uk/bitesize/guides/zs9kfrd/revision/1				
affect flood risk and how.					
16 - Hydrographs – what are they, what factors affect	https://www.bbc.co.uk/bitesize/guides/zx9kfd/revision/2 Video-https://www.voutube.com/watch?v=sh9kvFfn?vc				
the shape of them and how do those factors affect the	VIOLO - III. DE L'ANTIN, COLINIES CAMPITABLEI Y ESPERIT BORG.				
shape of them.					
17 - Hard engineering – what are the options, how do	https://www.bbc.co.uk/bitesize/guides/zx9kfrd/revision/3				
they work, and what are the positive and negatives of	Video - https://timeforgeography.co.uk/videos_list/rivers/river-management-hard- engineering/				
each.					
18 - Soft engineering – what are the options, how do	https://www.bbc.co.uk/bitesize/guides/zx9kfrd/revision/4				
they work and what are the positives and negatives of	Video - https://timeforgeography.co.uk/videos_list/rivers/problems-hard-engineering-and- softer-alternatives/				
each.					
19 - Effects of flooding – what are the social, economic	https://www.bbc.co.uk/bitesize/guides/zx9kfrd/revision/5 https://www.bbc.co.uk/bitesize/guides/zx9kfrd/revision/6				
and environmental effects of flooding and how do they					
differ between a HIC and LIC.					
20 - Flooding in Ludlow – what has been done, what	See Appendix 1				
should be done and who would have an opinion.					
should be done and who would have an opinion.		<u> </u>	<u> </u>		

Topic - Weather & climate	Support	R	Α	<u>G</u>	RC
1 - Weather & climate – what do they mean and	https://www.bbc.co.uk/bitesize/guides/rq/2qg82/revision/1.				
how are they different.					
2 - UK climate – what is it called, what is it like	https://www.bbc.co.uk/bitesize/guides/zq2qg82/revision/1.  Video -				
and how does it vary across the UK.	https://www.youtube.com/watch?y=INWc1c6l79U&list=PLk3TwBn2obBGavAobBNsiKv/XSGoLTruXv&index=5				
3 - Precipitation in the UK – what is the pattern of	https://www.bbc.co.uk/bitesize/guides/rq2qg82/revision/2				
precipitation across the UK and what are the					
types of rainfall.					
4 - Reasons for the UK climate – why does the UK	https://www.bbc.co.uk/bitesize/guides/zq2qg82/revision/3.				
get the climate that is does.					



5 - Depression (low pressure) – what is it and	https://www.bbc.co.uls/hitesiza/guides/zq2og82/revision/4.		
what weather does it bring.	https://www.youtube.com/watch?v=OPIcDi290v0&list=PLk3Tw8n2obBGavAobBNsIKvVSGoLTruXv&index=6		
6 - Anticyclone (high pressure) – what is it and	https://www.bbc.co.uk/bitesize/guides/zq2qg82/revision/4 Video -		
what weather does it bring.	https://www.youtube.com/watch?v=_8EnGCxqctM&list=PLk3TwBn2obBGavAobBNsJKvVSGoLTruXv&index=7		
7 - Extreme weather – is the UK weather	https://www.bbc.co.uk/bitesize/guides/zo2ag82/revision/5.		
becoming more extreme, if so, what types of			
weather and what examples do you have.			
8 - Hot semi-arid climate – what is it like and why	https://www.bbc.co.uk/bitesize/guides/zx3hqty/revision/1		
is it like this.			
9 – Temperate deciduous climate – what is it like	https://www.bbc.co.uk/bitesize/guides/zscsmnb/revision/1		
and why is it like this.			
10 - Global atmospheric circulation system –	https://www.bbc.co.uk/bitesize/guides/zpykxsg/revision/1  Video -		
what is it, where are areas of low and high	https://www.youtube.com/watch?v=Q9Fq3VwZb1s&list=PLk3TwBn2obBGsvAobBNsJKvVSGoLTruXv&index=4		
pressure and how does it work.			
11 - California, USA – what happened, why did it	https://www.bbc.co.uk/bitesize/guides/z92q97h/mvision/S		
happen, what were the SEE effects and what			
were the responses.			
12 - Tropical storms – where are they found, why	https://www.bbc.co.uk/bitesize/guides/z37wrdm/revision/1		
are they found there, and how do they form.			
13 - Vanuatu – what happened, when, what were	https://www.bbc.co.uk/bitesize/guides/z92q97h/mvision/4		
the SEE effects and what were the responses.			

Topic – Climate change	Support	<u>R</u>	Α	<u>G</u>	RC
1 - Past climate change – what has happened to the	https://www.bbc.co.uk/bitesize/guides/zcn6k7h/revision/1				
climate in the past, especially, the Quaternary Period.					
2 - Evidence of climate change – what evidence is there	https://www.bbc.co.uk/bitesize/guides/zcn6k/h/revision/2  Video - https://timeforgeography.co.uk/videos list/climate-change/evidence-climate-change/				
of past and future climate change.					
<u>3 – The greenhouse effect</u> – how and why does it work.	http://bbc.co.uk/bitesize/guides/zw6dh39/revision/1				
4 - Human (anthropogenic) causes – what are the	https://www.bbc.co.uk/bitesize/guides/zcn6k/h/revision/3  Video - https://timeforgeography.co.uk/videos list/climate-change/human-causes-climate-				
human causes of climate change and how do they	change/				
cause climate change.					<u> </u>
5 - Physical (natural) causes – what are the physical	https://www.bbc.co.uk/bitesize/guides/zon6k/h/revision/3  Video - https://timeforgeography.co.uk/videos. list/climate-change/natural-causes-				
causes of climate change and how do they cause	quaternary-climate-change/				
climate change.					<u> </u>
6 - Consequences of climate change on tourism and	See printed textbook.				
<u>fishing</u> – what are the effects, where is this an issue,					
why is it such a significant issue.					
7 - Consequences of climate change on water supply –	See printed textbook.				
what are the effects, where is this an issue, why is it					
such a significant issue.					
8 - Effects in the UK – what are the SEE effects of	https://www.bbc.co.uk/bitesize/guides/zon6k7h/revision/5				
climate change in the UK.					
9 - Global effects – what are the global effects of	https://www.bbc.co.uk/bitesize/guides/zon6k7h/revision/5.				
climate change.					
10 - Mitigate (reduce) effects – what are the options to	https://www.bbc.co.uk/bitesize/guides/zon6k/h/revision/6				
reduce the effects of climate change and what are the					
positives and negatives of this.					



11 - Adaptation – what are the options to adapt to climate change and what are the positives and negatives of them.

Topic – Ecosystems	Support	<u>R</u>	A	<u>G</u>	RC
1 - Ecosystem interactions – what is an ecosystem and	https://www.bbc.co.uk/bitesize/guides/zc/Trwxs/revision/1.				
a biome, and what interactions take place within an					
ecosystem, living, non-living.					
2 - Ecosystem biotic components – what are					
decomposers, producers, primary consumers,					
secondary consumers and tertiary consumers					
3 - Nutrient cycle – what is it, what are the stores, what					
are the flows, how do the stores and flows vary by					
biome.					
4 - Hot semi-arid biome – what is the climate like, what	https://www.bbc.co.uk/bitesize/guides/zx3hqty/revision/1 https://www.bbc.co.uk/bitesize/guides/zx5hqty/revision/2 https://www.bbc.co.uk/bitesize/guides/zx5hqty/revision/3				
is the soil like and how have the plants and animals					
adapted.					
5 - Damage to hot semi-arid biome – how do people	https://www.bbc.co.uk/hitesize/guides/zx3hqty/revision/4				
use and damage this biome and what are the effects of					
this.					
6 - Management of hot semi-arid biome – what	https://www.bbc.co.uk/hitesize/guides/zx3hqty/revision/Z				
strategies can be used to manage this biome and what					
are the positives and negatives of them.					
7 - Temperate biome - what is the climate like, what is	https://www.bbc.co.uk/bitesize/guides/zwm8bk7/revision/1 https://www.bbc.co.uk/bitesize/guides/zwm8bk7/revision/2				
the soil like and how have the plants and animals	Video - https://imeforgeography.co.uk/videos_list/ecosystems/temperate-deciduous- woodlands-1/				
adapted.	Video - https://timeforgeography.co.uk/videos_list/ecosystems/temperate-deciduous- woodlands-3/.				
8 - Damage to temperate biome – how do people use	See Appendix 2				
and damage this biome and what are the effects of this					
(Whitcliffe Common).					
9 - Management of temperate biome – what strategies	See Appendix 3 https://www.bbc.co.uk/bitesize/guides/zwm8bk7/revision/4				
can be used to manage this biome and what are the					
positives and negatives of them.					
10 - Distribution – what are the main biomes and	https://www.bbc.co.uk/bitesize/guides/zc/Twxs/revision/6				
where are they distributed.					
11 - Reasons for distribution – what factors affect the	https://www.bbc.co.uk/bitesize/guides/zc7hwxs/revision/5				
distribution of biomes.					

Topic - Globalisation and development	Support	R	Α	<u>G</u>	RC
1 - Measuring development – what is development,	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/1				
how can be development be measured, what do they					
tell you and what are the limitations of some measures					
of development.					
2 - Classifying levels of development – how can	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/1				
countries be grouped according to wealth.					
3 - Factors that influence development – what causes	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/2				
some countries to be developed and others not.					
4 - DR Congo – where is it, what are the causes of low	Video - https://www.youtube.com/watch?v=43xTvpxWLW4				
levels of development and what are the opportunities					
for development.					



			5-50.00
5 - <u>Drivers of globalisation</u> – what factors are making	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/4		
the world more connected and how are they making			
the world more connected.			
6 - Multinational companies (MNCs) – what are they,	https://www.bbc.co.uk/bitesize/guides/z8.436fr/revision/4  Video (NEE is the same as a NIC and a TNC is the same as a MNC) -		
where do they operate, what is your example, what are	https://www.youtube.com/watch?v=gKxq3-g6i_w		
the positives and negatives for host countries.			
7 – NICs – what are they, how are they distributed,	See textbook chapter 006 on One Drive.		
reasons for emergence of them, positive and negative			
consequences of this development.			
8 - <u>Patterns of world trade</u> – what do HICs	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/2		
import/export and why, what do LICs import/export			
and why, how do these patterns affect development			
9 - <u>Fair Trade</u> – what is it, how does it benefit people	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/6  Video - https://www.youtube.com/watch?v=PLKTGWH398Q		
and the development of countries, what are the			
positives and negatives of Fair Trade.			
10 - Globalisation – what are the positives and	https://www.bbc.co.uk/bitesize/guides/z8436fr/revision/5		
negatives of the world being more connected.			
11 - Aid – what are the positives and negatives of short	https://www.bbc.co.uk/bitesize/guides/23spj6f/revision/4 https://www.bbc.co.uk/bitesize/guides/23spj6f/revision/5		
term and long-term aid, include examples.	Video - https://www.youtube.com/watch?v=0zbKkesGlpE  Video - https://www.youtube.com/watch?v=eA4aXsXT_zs		

- · · · · · · · · · · · · · · · · · · ·					
<u>Topic – Urbanisation</u>	Support  https://www.hbr.co.uk/hitesiza/auides/zy/36ft/radision/1	<u>R</u>	<u>A</u>	<u>G</u>	RC
1 - Patterns of urbanisation – what is urbanisation, how	INDEX THE ADDRESS OF STREET AND S				
has this changed over time and why in HICs, NICs and					
LICs.					
2 - Megacities – what are they, how are they distributed	https://www.bbc.co.uk/bitesize/guides/zxf38fr/revision/1				
across the world.					
3 - Push and pull factors – what do the mean, examples	https://www.bbc.co.uk/bitesize/guides/zxf38fr/revision/1				
for each.					
4 - Mumbai, India (NIC) – a description of its location,	https://www.bbc.co.uk/bitesize/guides/zxf36fr/revision/2				
reasons for its location, how and why has the					
population changed over time.					
5 - Mumbai challenges – what are the specific	https://www.bbc.co.uk/bitesize/guides/zxf36fr/revision/3				
challenges facing Mumbai (informal settlements, mass	growth-in-mumbal/				
transit, waste management & traffic congestion)	TRADE THE TOTAL OF				
6 - Mumbai progress – how are Mumbai tackling the	https://www.coolgeography.co.uk/gcsen/Mumbai_improving_Areas.php				
challenges mentioned above (must include slum					
clearance and self help) and what are the factors that					
restrict progress.					
7 - Birmingham, UK (HIC) – a description of its location,	https://www.bbc.co.uk/bitesize/guides/z9y47hv/revision/2				
how and why has the population changed over time.					
8 - The way of life in Birmingham – what is the structure	https://www.bbc.co.uk/bitesize/guides/z9y47hv/revision/2				
of the city, what are the social, economic and					
environmental positives and negatives of the city.					
9 - Birmingham challenges – what are the challenges	https://www.bbc.co.uk/bitesize/guides/z9y47hv/revision/2 Appendix 4				
and what are the solutions.					
10 - Sustainable Birmingham – what is a sustainable	https://www.bbc.co.uk/bitesize/guides/r9y47hv/revision/2 Appendix 4				
city, what examples are there of Birmingham being					
sustainable.					



Topic – Urban and rural change in the UK	Support	<u>R</u>	A	<u>G</u>
<u>Urbanisation</u> – what is it, when did it start in the UK, why	https://www.bbc.co.uk/bitesize/guides/xtvtdmn/revision/4 https://www.bbc.co.uk/bitesize/guides/ztvtdmn/revision/1			
did/does it take place in the UK.				
Counterurbanisation – what is it, why is it taking place now,	https://www.bbc.co.uk/bitesize/guides/ztvtdmn/revision/1			
what are the effects of it taking place.				
<u>Commuter settlements</u> – what are they, what examples	Appendix 5			
could you use, what are the positives and negatives of				
commuter settlements for the settlement.				
<u>Urban zones</u> – what are the different urban zones, what are	https://www.bbc.co.uk/bitesize/guides/zckdg82/revision/2 PAGES 2-5			
they like, why are they like this.				
Greenfield Vs Brown – what are they, where do they tend to	https://www.bbc.co.uk/bitesize/guides/xtvtdmn/revision/6			
be found, what are the positives and negatives of building				
on them.				
<u>Inequalities</u> – what does it mean, what inequalities exist in	https://www.bbc.co.uk/bitesize/guides/zqhvmnb/revision/2			
the UK (North South Divide), how does this affect				
population.				
Sustainable communities – what does this mean, what	https://www.bbc.co.uk/bitesize/guides/zcvyh39/revision/4			
makes a sustainable community, how is Cambourne a				
sustainable community.				
Retail – how has retail in the UK changed over time, why has	https://www.bbc.co.uk/bitesize/guides/zwqqk2p/revision/1_PAGES1-5			
retail in the UK changed over time, what are retail parks,				
where are the located, why are they located there.				
<u>Leisure use/Tourism</u> – how do people use rural areas, what	https://www.bbc.co.uk/bitesize/guides/r2nnqty/revision/3			
is a honeypot site, what are examples, what are the positive				
and negatives of honeypot sites, how can they be managed.				
Major sporting events – what major sporting events have	https://www.coolgeography.co.uk/gcsen/London_Regeneration.php.			
been held in the UK, what are the positives and negatives of				
hosting these events.				



#### Appendix 1 - Flooding in Ludlow



Key

Possible Solution	Short-term benefits and costs	long-term benefits and costs	Who might agree and disagree with this solution?	Possible Solution	Short-term benefits and costs	long-term benefits and costs	Who might agree and disagree with this solution?
Build flood defences like those in Shrewsbury.	Expensive, look	Expensive, look ugly, effect on tourism? Increase house prices, lower insurance costs,	Tourist businesses Residents, business owners, council	Have tighter controls on building on floodplains and paving over gardens.	People objecting to being told what to do, Where do you build then? Increase natural storage and lag time reducing flood risks,	Increased demand for new houses to be built - where? Increased bio diversity.	House builders, residents Naturalists, Environmentalists
Restore bogs and moorland in Wales by blocking drains.	Loss of land for farming, expensive Increase lag time, reduce flood risk, Improve habitats	less damage Loss of land for	Farmers, Ramblers? Residents, Naturalists, Environmentalists	Allow rivers to flow naturally and spill over onto the floodplain.	Loss of land Increase natural storage and lag time reducing flood risks.	Loss of land (compensation cost2) Cheaper option to do nothing, Increase lag time, reduce flood risk, Improve habitats, environmentally friendly	Landowner Naturalists, Environmentalists



#### Appendix 2 - Damage to temperate biome

#### Damage to temperate deciduous woodlands

# Long-term woodland coverage in England Woodland as % of land area 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 Year AD

#### Damage to temperate deciduous woodlands

Removal of trees for timber is an economic activity in the primary sector that has been taking place for centuries. Today, this usually involves removing trees but not the whole woodland.

However, there is increasing pressure on removing woodland for development. This pressure exists in Ludlow and nationally.

In Ludlow, there was a planning application for 68 luxury log cabins in Mortimer Forest. This would have created 100 jobs and generated £2.5 million for the local economy each year. https://www.youtube.com/watch?v=JvgQny8ZJ08

#### Damage to temperate deciduous woodlands

Nationally, woodland clearance for one specific project has been in the news a lot in recent years.



High speed 2 (HS2) is an £88 billion project to build a fast train between London and Crewe. It would take less than 60 minutes to get from Birmingham to London.

A total of 29 hectares (80 football pitches) of woodland would need to be cleared.

To make up for this, HS2 will plant 7 million trees.

## Damage to temperate deciduous woodlands

Human activity that causes damage	Local effects	Global effects	Effects on biodiversity (the variety of species)
Removal of trees for timber			
Clearance of woodland for development			
Leisure & recreation			
Climate change - more droughts			
Climate change - more extreme weather events			

Human activity that causes damage	Local effects	Global effects	Effects on biodiversity (the variety of species)
Removal of trees for timber	Less interception so more flood risk. Less pollutants removed from air so more health problems. Less tourism.	Less carbon dioxide taken from atmosphere through photosynthesis so contributes to climate change. Desertification.	More sunlight to the ground layer so more plants. Less habitat & food source for animals. Coniferous trees used.
Clearance of woodland for development	Permeable surface replaced with impermeable so more surface runoff so higher flood risk. Local loss.	Less carbon dioxide taken from atmosphere through photosynthesis so contributes to climate change.	Whole ecosystem destroyed. Many animals killed. Further fragmentation of UK woodland.
Leisure & recreation	Pathways created that remove vegetation so more soil erosion. Littering. Traffic congestion.	Probably minimal.	Perhaps slight reduction due to pathways. Although, means area is not developed so maintains woodland.
▲ Climate change – more droughts	Less precipitation or longer between events so less vegetation growth. Drier vegetation so forest fires risk up.	Less vegetation growth so less carbon dioxide locked in the ground. Forest fires contribute to climate change.	Less vegetation growth so less food for primary consumers, knock on effect. Species not adapted for fires.
▲ Climate change – more extreme weather events	Strong winds may knock over trees. Heavy rain could mean more soil erosion and leaching.	Probably minimal but may contribute to desertification.	Less nutrients in soil would mean less producer growth so knock on effect on food web.



#### Appendix 3 - Management of temperate biome

#### Management of temperate deciduous woodlands

#### The Mortimer Forest Plan

The Mortimer Forest Plan

A selective logging approach has been adopted. This means identifying trees that are old, have disease or would not disturb the woodland structure.

Removing some trees allows more light to reach the ground layer so many types of vegetation flourish.

This provides a source of timber which generates an income over a long time.

By planting a variety of deciduous tree spalings there is less risk of the woodland being wiped out by pests or diseases. This is important as more pests and diseases could appear in the UK due to climate change.

Management of temperate deciduous woodlands

Also, the variety of flora (vegetation) boosts biodiversity. As the woodland looks good and is more biodiverse, there is more leisure and recreational use.

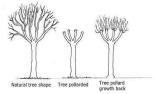
#### Management of temperate deciduous woodlands

The Mortimer Forest Plan

Coppicing is cutting trees at the base so they regrow denser from there. Pollarding is cutting trees at shoulder height so they regrow denser from there. Both are used in Mortimer Forest.

They allow branches to be sustainably harvested and boost biodiversity by allowing more light.







### Appendix 4 - Birmingham

ISSUE	DESCRIPTION OF PROBLEMS FACING BIRMINGHAM	BIRMINGHAM BIG CITY PLAN SOLUTIONS		
HOUSING	Increasing UK population (10.5% since 1971)  Number of households risen by 30%  More single occupants (divorce, widowed renting).	Total 5000 new homes including: Park Central – new low rise affordable housing replacing 1960's tower blocks. The Rotunda (81m high iconic landmark), redeveloped by Urban Splash, opened in May 2008, creating 232 luxury apartments and 6 penthouse suites.		
INNER CITY	Derelict and deprived as industry relocated. Poor housing conditions Previous solutions (high rise flats) unpopular Highly polluted Increasing crime rates	Numerous redevelopments of old industrial brownfield sites. Tower blocks demolished for new low rise housing provision. Bardesley Urban Village built on old industrial land (1000 homes schools and community facilities). Eastside city park covering 8 acres with 310 trees, opened in December 2010 at a cost of £11 million.  £600 million redevelopment of New Street station including Grane Central shopping and leisure area.  Midland Metro (electric light rail system) to be extended to New Street costing £127 million.		
TRAFFIC	Car use increased (45% of households have at least one car) High levels of pollution Congestion on narrow streets Cities not designed for cars.			
THE CBD	Donut effect as retail and businesses relocated to edge of town.  Old buildings unsuited to modern use Polluted environment Poor accessibility Increasing crime rates	Main roads (New Street) pedestrianised to improve safety whilst reducing traffic congestion and pollution levels.  Bullring shopping centre redeveloped at a cost of £500 million, one of largest urban shopping centres in the UK, home to flagship stores including Selfridges and Debenhams. 36.5 million visitors in 2004.		
MULTICULTURAL MIX	Segregated areas of similar ethnicity and culture. Creates areas with specialist facilities (places of worship, supermarkets, restaurants). Familiarity and security for ethnic minority groups.	Education of communities to remove prejudices Increasing children's achievement by improving educational achievement in school's. Increasing community involvement and understanding (Eid and carnival celebrations). Providing facilities that encourage use by all people not just separate ethnic groups.		



#### APPENDIX 5

#### Effects on rural areas

#### Commuter settlement Example- St. Ives, Cambridgeshire

St. Ives is around 100km north of London and 8km east of Huntingdon. The town is close to the A1 and the main East Coast railway - making it easy to access London.
The majority of the land outside the town centre is rural farmland. In the town centre there are blocks of new apartments designed for residents with highly paid jobs. Many people live in St Ives to commute to

London, others live there as they have young families (and want a quieter life) or are retired.

Commuting to London increased during the 1990s and now 25% of St. Ives population commute to work in London daily.



Effects on rural areas							
Becoming a commuter settlement has had positive and negatives impacts on St. Ives and its residents.	Many estate agents have opened in St. Ives to keep up with the demands of people wanting properties in the area.	Traffic has increased at peak times and there are often traffic jams on the A14.	There have been improvements in the local services e.g. fibre optic broadband.	There has been an increase in the number of furniture stores, restaurants and clothing stores.			
Use two different highlighters to categorise the table into positive and negative.	Secondary schools in the area have reported that intakes have risen which has led to a greater demand for teachers.	There are now more people under the age of 16 than over the age of 65. This puts pressure on schools.	There has been an increase in the number of cars in St. Ives, some of these are parked on the road side leading to blockages on narrower streets.	Some of the older residents in St Ives cannot afford to buy from the new stores as they are aimed at the more affluent residents.			
▲ Use S, E and ENV to categorise the table into social, economic and environmental.		Many new houses have been built on the flood plains of the River Ouse and these are at risk of flooding.	Many of the older residents in St Ives are resistant to the changes e.g. building modern homes.	The number of bus services has increased – these mostly go into Cambridge City Centre.			
Prioritise the top two positives and	A large Tesco Superstore has opened on the outskirts of St Ives.	House prices have risen from £130,000 in 2000 to £291,000 in 2010.	A high number of council homes have been built.	Many vacant farm properties have been restored as luxury homes.			

#### Effects on rural areas

#### Make a revision card based on today's lesson.



Case study knowledge is important. Learn these 10 facts and apply them to your 6 and 8 mark questions.

St. Ives is around 100km London and 8km east of Huntingdon

The majority of the land or the town centre is rural farmland



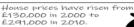
negatives & explain.

Many People live in St Ives commute to London. It is much quieter

Commutting to London increased during the 1990s, now 25% of St. Ives commute to work in London daily.

There are now more people under the age of 16 than over the age of 65. År`aÅ

Traffic has increased at times and there are often traffic jams on the A14. House prices have risen the 130,000 in 2000 to £291,000 in 2010.





a A high number of council homes have been built.

<u>څ</u>\_\_ Many new houses have been built on the flood plains of the River Ouse.