

CREATING A CLIMATE FOR GREAT LEARNING, SUCCESS AND OPPORTUNITY Name:

Home Learning Number: _____

Year 10 - Geography Semester 2a 2023-2024



Creating a climate for great learning, success and opportunity



	ion	Flood	Overflowing of water onto land that is normally dry							
Word	Revolution	Floodplain	An area of flat land alongside a river							
	Rey	Flash flood	Flash floods happen when rain falls so fas	st that	t that the underlying ground can't drain the water fast enough					
1:	River management strategies: soft engineeringSoft engineering does not involve building artificial structures but takes a more sustainable and natural approach to managing the potential for river flooding. Each approach has its advantages and disadvantages.The river Tees is found in the north-east of England, crossing Middlesborough, Darlington and the Pennine Hills. Soft engineering strategies have been used on the River Tees to protect towns from flooding. This mainly takes the form of land use zoning with agricultural land and flood plains.				 Flood warnings and preparation (soft engineering) The environmental agency monitors rivers and issues warnings via newspapers, TV, radio and the internet when they are likely to flood so people can prepare. Advantages People have time to protect their properties, e.g. with sandbags. Many possessions can be saved, resulting in fewer insurance claims. Disadvantages Some people may not be able to access the warnings. Flash floods may happen too quickly for a warning to be effective. They do not stop land from flooding - they just warn people that a flood is likely. 					
	 Flood plain zoning (soft engineering) Allowing only certain land uses on the floodplain reduces the risk of flooding to houses and important buildings. Advantages More expensive buildings and land uses are further away from the river, so have a reduced flood risk. Less damage is caused, leading to fewer insurance claims. Disadvantages Not always possible to change existing land uses. Planners have to decide what type of flood to plan for 		Questions	 What does soft engineering on a river not involve? Where is the river Tees? Give one advantage of flood plain zoning. Why is it not always possible to change land use? State one disadvantage of flood warnings. What is a flash flood? 						

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CIREMONS & CLEANER FOR SUCCESS AND COP	PARK			Geography	and a second			c World (UK)	Year 10 Semester 2 W2			
		Revolution	Economy Tertiary sector	An economy is an area of the production, distribution and trade, as well as consumption of goods and services. or The service sector of the economy (hairdressers, teachers, cashiers)								
	Word		Heavy industry				iring of metals, cars and coal					
		Th is I glc	e UK is experience happening as a re- obalisation, governe Globalisation - gl communication is Government pol Gas), markets de factories/ coal pits Deindustrialisat	ic change in the UK sing a period of econol esult of several factors ment policies and dei lobal trade, foreign inv more interconnected licies- privatised comp regulated (governmen s closed in 1990s ion- decrease in secon bal shift to NEEs), me	, including ndustrialisation. estment and panies (BT/ Britisl at less involved), ndary sector	n	3:	 Science (Cambridge) and Business (Cobalt) Parks- attract university graduates, helped to grow finance and research sectors, found on edges of cities for transport links Finance and research- Financial jobs are to do with money. In the UK, these types of jobs include accountancy, working in banks and building societies, financial planning, <i>insurance</i>, <i>investments</i> and <i>pensions</i>. Large financial employers in the UK include Barclays, Aviva and KPMG. The government believes that science and research are important for the UK's growth because they help discover new ways for the country to move forward in a sustainable way. 				
	2:	Th tim jok inc Th	ne when tradition os have had to ta crease in jobs in is has happened Development of 100,000 softwar mobile device m	entered a post-indust nal industries have d ake their place. This the tertiary and quar d because: TT (worth £58 billion re companies (Micro	eclined, and ne is mainly an ternary sector. a a year), soft), largest UK's economy.		Questions	4. Where are Science an 5. What is the tertiary se	ulation in an economy? UK are in the service industry? d Business Parks usually located?			



 economy, to an industrial economy and finally to a post-industrial economy. There is a big difference between the north and the south. The north has experienced a massive decline in heavy industry, such as the closure of factories and mills and the south has seen the opening of new industries in places like Silicon Fen in Cambridge. Modern industrial development aims to be more environmentally <i>sustainable</i>. Some developments are leading the way with new ideas and technologies. Sustainable means meeting the needs of today without compromising the needs of future generations. Case study – Leeds Recycling and Energy Recovery Facility (RERF) Leeds RERF is in South East Leeds on a former brown-field 							
 The UK has seen massive industrial growth in the last 100 years. It has transitioned from a preindustrial economy, to an industrial economy and finally to a post-industrial economy. There is a big difference between the north and the south. The north has experienced a massive decline in heavy industry, such as the closure of factories and mills and the south has seen the opening of new industries in places like Silicon Fen in Cambridge. Impacts of heavy industry Water pollution from dumping waste-water into river courses. This can enter our drinking water supplies. Air pollution from factory emissions can impact breathing and overall health. Dumping of hazardous chemicals can lead to land and soil pollution. Traffic congestion from lorries and trucks. Damage to wildlife, habitats and beaches. Manufacturing can have a negative visual impact on the landscape The transport of the necessary raw products is 	L C	Heavy industry	Factories and mills that were prevalent during the	ne indu	strial revolution		
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 Impacts of heavy industry Water pollution from dumping waste-water into river courses. This can enter our drinking water supplies. Air pollution from factory emissions can impact breathing and overall health. Dumping of hazardous chemicals can lead to land and soil pollution. Traffic congestion from lorries and trucks. Damage to wildlife, habitats and beaches. Manufacturing can have a negative visual impact on the landscape The transport of the necessary raw products is 	1:	100 years. It has economy, to an i industrial econor There is a big di south. The north heavy industry, s mills and the sou	s transitioned from a preindustrial ndustrial economy and finally to a post- my. fference between the north and the has experienced a massive decline in such as the closure of factories and uth has seen the opening of new	÷	Traditional UK industries often caused a lot of pollution. Modern industrial development aims to be more environmentally <i>sustainable</i> . Some developments are leading the way with new ideas and technologies. Sustainable means meeting the needs of today without compromising the needs of future generations. <u>Case study – Leeds Recycling and Energy Recovery</u> <u>Facility (RERF)</u>		
pollution. It can also further damage the 6. Name 2 benefits of the Leeds RERF	2.	 Water pollution courses. This Air pollution for breathing and Dumping of he and soil pollute Traffic congests Damage to with Manufacturing the landscape The transport usually by road 	n from dumping waste-water into river can enter our drinking water supplies. om factory emissions can impact overall health. azardous chemicals can lead to land ion. stion from lorries and trucks. Idlife, habitats and beaches. g can have a negative visual impact on of the necessary raw products is id which increases the rate of air	Questions	site. It is designed to remove and sort recyclables before the remaining material is burnt to make energy. The facility can power 22000 homes and recycles 40% of Leeds waste. 1. What sort of economy do we have now? 2. Why has the north experienced a massive decline in heavy industry? 3. Name 2 impacts of heavy industry 4. Which environmental impact of heavy industry is the worst and why? 5. What is a sustainable economy?		



		S Rural	Places in the countryside such as village	s and s	small towns, mostly dominated by agriculture				
	word	Agriculture	Farming that includes arable (crops), pas	toral (a	animals) and mixed.				
ľ		Population density	The number of people who live in a certain	in area	area				
÷		normally classed as ar small towns and village generally dominated by Some rural areas are of urban areas, industry of which means population example of this is the O Other rural locations ar	re making positive economic changes, and meaning their population is increasing. An	ö	South Cambridgeshire – rural growth (positive) Cambridgeshire is located in South-East of England, just north of London.People want to live in this area because of the tranquil, slow pace of life, educational opportunities (e.g. Cambridge University) and excellent services such as hospitals.Economic impacts Commuters use services where they work (e.g. London) rather than where they live so services close in those areas Farmers sell land for housing development causing the decline of agriculture opportunities				
		The Outer Hebrides ar Scotland. People are moving aw due to lack of opportur	<u>icts</u> r of school children expected to fall leading to further ures opulation <u>mpacts</u> forking age moving away due to lack of opportunities lemand for tourism but not the infrastructure to support omy is crofting (small farms) which does not support a rs		Environmental impacts Traffic congestion on small country roads Social impacts Lack of affordable housing meaning younger people have to move away.				
		remoteness of the islar Social impacts			1. What is the definition of rural?				
5					2. Give an example of a rural area in decline				
		An aging population Economic impacts			3. Why are people moving away from the Outer Hebrides?				
		People of working age			4. Explain the economic impacts of rural decline				
		it Main economy is crofti			5. Why are people moving into South Cambridgeshire?6. Describe the social impacts of rural growth				
		lot of workers Environmental							
		Extra tourists put press			5				



[Infrastructure	The basic structures that are needed to make a society function including transport and buildings.							
	Word	Congestion	Somewhere that is too blocked o crowded which can lead to problems.							
ľ		Ports	Where boats land to transfer their imports and exports.							
÷		The UK currently has many problems including the following: Traffic congestion on our roads Crowding of schools Pressure on services such as doctors Poor infrastructure such as roads Lack of affordable housing. There are many solutions in place to try and help these problems, especially infrastructure improvements. Investing in infrastructure in the UK, such as in high-speed rail or airports, can increase economic growth and help more regions of the country develop. This is especially needed in the north of the country which has historically been seen as less developed as the south.		3:	<u>Airports</u> Airports are a major contributor to the UKs economy. Within the Uk, there are over 75000 flights, 200 million passengers in and out of the UK and 2 million tonnes of freight each year. Heathrow, in London is the UKs largest airport, with 80 million passengers alone. In 2016, the government proposed a new runway to Heathrow which would reduce congestion and increase capacity, operate to 40 new destinations, create jobs and boost the economy. However, environmentalists are concerned about the impact on the local area and residents re worried about the increased noise pollution. <u>Ports</u> Ports allow goods to be transported in and out of the UK. They link the UK to the rest of the Europe and the world. Liverpool 2 is a £400 million investment that would accommodate the world's largest vessels, connects the UK to the rest of the World and is turning into a major tourist attraction.					
			n 2014, the government launched a £15 billion improvement strategy to reduce traffic and improve the condition of roads. This included creating smart motorways that reduces traffic congestion and reduces the speed of vehicles, building 400 new roads that link up with existing roads, and creating new anes on busy motorways and major roads. <u>Railways</u> High Speed 1 (HS1) is a high-speed train that links London up		1. Describe 3 problems the UK currently faces					
		This included creating			2. Define the key term infrastructure					
					3. How have roads been improved in the UK?					
ö					4. What are the disadvantages of HS2?					
		and is planned to lin	h Paris in France. High Speed 2 (HS2) is the second project d is planned to link London with cities in the North of	Questions	5. Give a benefit of improving Heathrow					
		that it creates new jo times and reduces th	nchester and Leeds. Benefits of HS2 are bs in railway construction, cut journey e North-South divide. However, lots of to HS2 due to the environmental		6. What could be a negative impact of expanding ports in the UK?					
		concerns.			6					

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BENTON COMMUNICACIONALE FOR SUCCESS AND ON	BENTON PARK		Subject:	Geography Topic: Science and business parks Year 10 Semester 2 We									
		ion	Science park Business park										
	Word Revolution		Economy		-			and trade, as well as consu	Imption of goods and services.				
	2:		 The development of research Research and development is part of the rapidly expanding quaternary sector. It contributes over £3 billion to the UK economy and employs over 60,000 educated people. Research and development involve biomedical, computer and environmental sectors linked to UK universities. Cyber, artificial intelligence, and cleantech businesses are now employing substantial numbers. British Antarctic Survey employs over 500 people. Research involves ships and aircrafts in polar regions. Research includes Arctic sea ice changes. 					 Cobalt Business I park. There are severetail outlets and op fitness centre, cycle park is close to the airport. The northeast of E decline as tradition 	d by a cluster of businesses. Park is the UK's largest business veral support facilities including oportunities for recreation with a eways and green spaces. The A1 and 20 minutes from the England have suffered economic al industries have closed down. g here qualify for government				
			 Science parks Group of scientific and technical knowledge-based ousinesses located on a single site usually associated with a university. Park facilities: Transport: cycle storage, electric car charging points, car-share scheme, bus services Day nursery and preschool providing childcare Communal kitchens Cafes Advantages: encourages the flow of new ideas into the commercial world and drives future innovation, productivity and competitiveness. 				Questions	development in the U 2. What is an advantage of 3. Give an example of a fi 4. What transport facilitie 5. What does the British A	of science parks?				

		Subject	Coography	Tania Naula O		Voor 10 Somester 2 W/Z
	Revolution	Subject: North-South divide Development Indicators Median	Geography An imaginary line wh Measure the level of The value in the midd	h Divide Year 10 Semester 2 W7 'poor' North and 'rich' South. or regions.		
1						 Why does the North-South divide exist? 1.During the Industrial revolution the UK's growth was centred on the coalfields of Wales, N.England & Scotland. 2.Heavy industries and engineering thrived in cities like Manchester, Sheffield & Glasgow = wealth 3.Since the 1970s many industries have declined (deindustrialisation) = unemployment increased 4.London and the SE developed rapidly due to a fast growing service sector. 5. London is a major global financial centre and has grown faster than the rest of the UK. 6. This has led to high house prices across the South
2:		south of the UK was 40% lower Health in gener expectancy for was 72.6 years. They live 10 yea Education is ge GCSE results a	erally lower in the no : in 2014, the average in Huddersfield than rally worse in the nor male babies born in . In East Dorset, it wa ars longer! enerally worse in the tre generally higher in e Midlands and the n	ge weekly wage a London. Th of the UK: life Glasgow in 2012 as 82.9 years. The north of the UK: n the south	Questions	 Which part of the UK is the richest? How many years longer do people in Dorset live compared to people in Glasgow? When did deindustrialisation begin? What sector rapidly grew in London and the Southeast? How much lower is the average weekly wage in Huddersfield compared to London? Give 3 examples of development indicators.

			Subject: G	eography	Topic: UK in th	ie W	/id	er World	Year 10 Semester 2 W8	
SUCCESSAND	LICENS A CLARKER FOR ISSUE (LANDRING)		Economy		as consumption of goods and services.					
	Word	Revolution	Trade Commonwealth		ciation of 53 independ	from producers to consumers. dent and equal sovereign states, which were mostly territories of the				
	1:	 The UK has strong political links with many countries. For example, the UK is a member of the Commonwealth, which is one of the world's oldest political groups. The Commonwealth is a group of 53 countries and it began when those countries were ruled by Britain. Current membership is optional. The UK also has other political links, such as the Group of Seven (G7). The G7 is made up of the United States, Canada, France, Germany, Italy, Japan, and the United Kingdom. They meet yearly to discuss global economic issues. 					 Culture – UK literature, music, cinema, sport, television, history and architecture are important globally. Books, such as the Harry Potter series, are sold worldwide. UK sports are showcased through events such as the Olympics, the World Cup, Wimbledon, the Premier League and the London Marathon. UK architecture can be seen in many commonwealth countries. Tourists visit the UK to experience the culture and many UK cities have be labelled 'cities of culture'. 			
	 Trade – the UK imports and export many countries. Over 50% of UK to countries. The UK's next biggest to found in Asia and Oceania. Foreigg include money spent by tourists vitor The UK's biggest exports are made transport equipment. Transport – increasing air travel is UK's links with other countries. In UK has modern port facilities and link to Europe. 		ver 50% of UK tra s next biggest tra Oceania. Foreign ent by tourists visi exports are machi nt. asing air travel is er countries. In ac	ade is with EU ding partners are exports also ting the country. nery and strengthening the ddition to this, the	Questions	-	 What % of the UK's tra What are the UK's bigg Give 3 UK sports even world. Give 3 ways the UK is transport. 	are in the Commonwealth? ade is with EU countries? gest exports? ats which are showcased around the connected to the wider world through meet to discuss global economic issues?		

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DEN CHANNES A CLA		Subject: G	Beography	Topic: End of t	opic	recap	Year 10 Semester 2 W9		
		Economy	An economy is an	area of the productio	n, distı	ibution and trade, as well a	as consumption of goods and services.		
	Word	Infrastructure	The basic structur	es that are needed to	make	a society function including	g transport and buildings.		
	Ň	Business park	Area of land occu	pied by a cluster of bu	usinesses.				
	;;	 Causes of economic change in the UK The UK is experiencing a period of economic change. This is happening as a result of several factors, including globalisation, government policies and deindustrialisation. Globalisation- global trade, foreign investment and communication is more interconnected Government policies- privatised companies (BT/ British Gas), markets deregulated (government less involved), factories/ coal pits closed in 1990s Deindustrialisation- decrease in secondary sector (moved in the global shift to NEEs), mechanisation (using more machinery)			3:	 splits the UK into the UK into the divide shows the cultural disparities South. People in the South 	divide is an imaginary line which he 'poor' North and 'rich' South. the social, economic and is between the North and the h typically have longer life her incomes and better standard ment indicators).		
	2:	following: - Traffic congestion - Crowding of school - Pressure on servi - Poor infrastructure - Lack of affordable Investing in infrastrue speed rail or airports and help more regio especially needed in	UK currently has many problems including the		Questions	 What does globalisation What does deindustrian What is one problem in What can help the UK of What is the north-south What is one difference UK? 	Ilisation mean? n the UK? develop?		



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