AQA GCSE Geography Paper 3 Pre-release 2024

Starter for 10

Key Terms	Definition		
Infrastruct	- the sections a place needs like roads, bridges, water supply, and		
Hectore	A unit of area measurement equal to 10,000 square meters, or about 2.47 acres, often used to measure land size.		
Roluson	The boundary zone where the city meets the countryside featuring a mix of urban and rural land uses, often with housing, industrial sites, and farmland.		
Sparl	The spread of urban areas into surrounding rural areas, leading to the development of new housing, roads, and shopping centres, often at the expense of green space and agricultural land.		
300 mfield	Previously used or developed land, often in urban areas, that may be contaminated but can be cleaned and reused for new buildings or other purposes.		
reerfield	Undeveloped, natural land or agricultural land outside cities that has not been built on before, often valued for its open space and potential for new development.		
is hunasle	Using resources in a way that does not lead to the running out, maintaining ecological balance, and ensuring that we can meet our current needs without risking the ability of uture generations to meet theirs		
Merent	Places where people live are built not to harm the environment, using materials and energy that keep the air and water clean.		
e High	An area of outstanding natural beauty containing ancient countryside made up of small mixed farms (animals and crops), located south of Tonbridge in the south of England.		

Outline the key features of the Tudeley Village development. For two features explain why they are sustainable.

Existing buildings will be preserved and new buildings will be designed to fit into the local style.

The development will be mixed use meaning the city be created in the oppies, workshops shops and capes.

The development will have open space which will reduce allotment, whape given and sporting will be now to dealer or space and sporting

	Using the OS Map on Figure 2 (Fages 3) Answer the following questions.
	1. Calculate the area of the proposed development (2.5km 2.5km 3.5km 3.5km
	the dual carriagoway poor the proposed
	development? A26 and A228
	3. Give the 6-figure grid reference of the proposed station
	by the distance clong the trainline from the main railway station in
	Tonbridge and the new proposed station?
0	H Am
17	5. What physical features will the proposed development affect?
Starter for 10	A fribitary on the River Median
te	
tar	Tudeley. Forest areas, open
S	Courpyside
	6. Describe the relief of the proposed area.
	The area is relatively flat
	with a light this to the with
	that increases from 20m to
	18 metres of the bighest point
	The state of the s
DANGE OF THE PARTY NAMED IN	

Explain the positive and negatives of building on brownfield sites compared to green field sites (4 marks)
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take down and remove me existing
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One positive g building on broughed sites is that you oren't damasing
sites is that you creat damaging
the notical environment recoving that wildlige and their habitats are kept
wildlige and their habitats are hept
date from harm.

Figure 1

England's housing challenge

THY

How much new housing does England need? Demand

The National Housing Federation (NHF) estimates that the overall demand for new and improved homes is approximately 340 000 per year. The Government has a target to build 300 000 new homes a year by the mid-2020s, Based on current figures it was estimated that approximately 170000 new homes were built in England in 2022. In addition to new homes, many existing homes need to be improved or replaced because they are unsuitable or of poor quality.

New housing supply JOY TARGET 300 000 200 000

1 in 7 people in England directly hit by PCc6LETA housing crisis

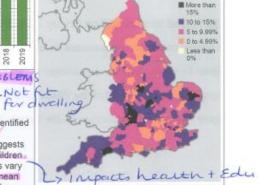
A report by the National Housing Federation suggested that 8 million people are living in unaffordable or unsuitable homes. The report identified a wide range of issues including homelessness, overcrowding and a lack of basic facilities. It suggests that these issues are leading to ill health and children. missing out on a good start to life. The problems vary across the country. In some places low wages mean that people struggle to pay their rent, while in other places the high cost of housing leads to overcrowding. Regional housing problems are also affected by the amounts regions spend on housing and basic outec community amenities.

Government spending on housing and community

	£ per head
London	203
North East	183
West Midlands	138
Yorkshire / Humberside	138
East Midlands	126
East of England	110
North West	109
South East	96
South West	77

Actual Projected regional household growth in demand. England The total number of households in England is expected to rise from 23 million in 2018 to 26 million in 2040. However, there will be significant regional variations in rates of growth.

Projected housing growth 2018-2028 (%)



House prices and household income in England (2019)

Region

Region	house price (£)	household income (£ per person)	Heus
London	477813	30 256	6.3
South East	320454	24715	7.7
East of England	292444	22392	7.7
South West	258 602	21 222	8.2
West Midlands	199802	18350	9.2
East Midlands	194798	18635	9.6
Yorkshire / Humberside	167 181	17959	10.7
North West	166 022	18901	11-4
North East	127466	17 096	13.4

Average Average

Figure 1 continued

Browfield Greenhald

England's housing challenge

New affordable housing, 2006-2020

Affordable housing includes homes for sale or cent at what is considered an affordable price for the local area. The National Housing Federation suggests that 145 000 affordable homes need to be built each year to help deal with the current housing crisis.

net Total supply of new affordable housing 80 000 20 000

Research shows space for 1.3 million homes on brownfield land

A report by CPRE, the countrysice charity, has suggested that brownfield land in England could be used to build over 1.3 million new homes. However, much of this land is not being used because developers prefer to use greenfield sites, even though protecting rural areas is seen as increasingly important. An example is Trafford, in Greater Manchester, where the council is proposing the development of 5000 new homes, warehouses and roads on Carrington Moss, an area of peatland, woods and agricultural land, despite there being plenty of brownfield land in the area.



A brownfield development

CPRE feels that the development of brownfield land would bring huge economic and social benefits and help to regenerate urban areas. The mayor of West Midlands told the CPRE, 'There is no excuse to destroy the countryside while there is brownfield land available for housing, shops and modern business. These places can become thriving, attractive places to live and work - with nature nearby to be enjoyed'.

Where should new houses be built? The brownfield v greenfield debate

Housing developers are faced with decisions about whether to build on greenfield sites, which have not been previously developed, or brownfield sites which were previously developed areas usually found in urban areas. Greenfield sites are often cheaper to buy and develop, have more space and are attractive to house buyers and modern business, while brownfield sites already have road networks and infrastructure, although expensive porading may be required.

Urban sprawl - England's countryside is gradually disappearing

There are growing concerns about the rate at which the countryside is being covered with new housing estates, shopping centres, industrial parks and road networks. Most of this urban sprawl is taking place in rural-urban fringe areas which were previously providing recreational space and stopping urban areas from merging together. It is estimated that approximately 4000 hectares of countryside is built on each year, removing woodland, draining wetlands and destroying farmland. However there is no easy answer. While rural areas need to be protected to avoid damage to wildlife and the countryside, there is not enough brownfield land to satisfy the demand for housing, so there will be a need for the sensitive development of the rural-urban fringe.

Turn over ▶



Figure 1: England's housing challenge

Summarise England's housing challenge

8 8 million living the

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What are the consequences of the prorgo

housing crisis?

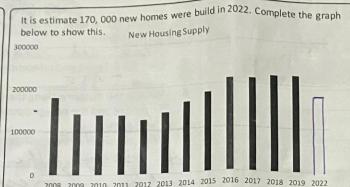
Children russ out on

or good short to life

Aver to overloading

and or lack of basic

facilities



Calculate the percentage change between 2008 and 20 $\frac{1}{2}$. $\frac{1}{2}$ $\frac{$

Complete the table below to show the advantages and disadvantages of brownfield and greenfield sites.

1	Rie	eillieid sites.	Greenfield Sites	Brownfield Sites
		Social	there get like they are surrounded by	tand that was unsightly now looks settler
	Advantages	Economic	Cheaper to sug	Land can be revivested on for projet
	٩	Environmental	There is not one- creenfield should be puterted for Nature!	is destroyed.
es		Social	Removing green areas is said for fitness + restd health	be priced out (Gentrylishen)
sadvantage	E	Economic	Land could have	Mura expensive to buy
ä	Er		Nahral halitates .	Land Cor Se polluted

crisis should houses be build on brown or greenfield sites? on brown or greenfield sites?

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Overall, what is your opinion?

To solve England's housing

Calculate the percentage increase in the total number of households between 2018 and 2040?

$$26 - 23 = 3$$
 $\frac{3}{26} \times 100 = 11.5$

Study the map showing projected housing growth between 2018 and 2028 (%). Describe the distribution of areas where there are projects to be more that 15% growth in housing.

Ares expenerary more than

15% gooth are found in

Cenhal England. There is one

exception to the south. (Exceler)

Study the table showing Government spending on housing and community amenities in England. Calculate the following statistics.

Where are house prices highest?
Evidence? London

\$\frac{1}{2} \text{ Average} \\

\text{have price} \\

Where is income lowest? Evidence?

\text{Vorth East} \\

\frac{1}{7} \text{U41 \text{ Vorte}} \\

What is the gap between income and house price in the South East Region of England?

\text{Income} = 24,715

\text{Huse price} = 320,454

\text{Gop F 295,739}

Study the graph showing the total supply of new affordable housing.

Describe the trend in the total supply of new affordable housing from 2015

2020.	
T	The had is that there is a dip to 2012 then an increase to 2019
E	It shorts at 180,000 in 2008 Daps to 125,000 in 2012 then icremes to 225,000 & 2019
A	Although there is an increase in the number of horses being soil it is shill doesn't need the larget

Figure 2

Where?

The proposed Tudeley Village development

Tudeley Village is a proposed new 'garden settlement' on land between Tonbridge and Paddock. Wood in Kent, to the north of the B2017 road. The land is currently mostly agricultural within a rural landscape. To the south of the site is the High Weald, a designated Area of Outstanding Natural Beauty (AONB) which provides opportunities for a range of leisure and recreational activities. The London to Ashford railway line runs through the area with the nearest stations at Tonbridge and Paddock Wood.

Tudeley Village is planned as a 'self-contained' settlement of distinct neighbourhoods organised around a village centre. The neighbourhoods are connected by a network of pedestrian and cycle routes. The village is designed to be walkable, enabling residents to live more sustainably.

Key features of Tudeley Village

Housing – The plan includes 2800 new homes to be built over a period of 30 years. It includes homes of different sizes and styles with a proportion of affordable housing.

Mixed use – Tudeley Village will offer leisure and business opportunities, including offices, workshops, cafes and shops.

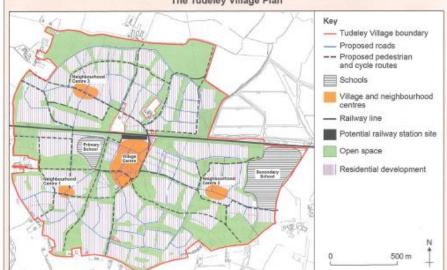
Open space – This will include allotments and orchards and a village green, as well as sporting facilities.

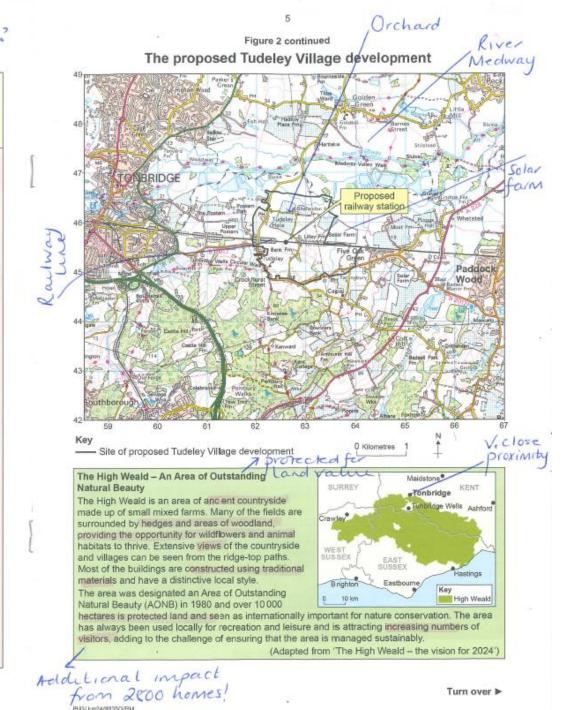
Community – Facilities will include a nursery, primary and secondary school, village hall, healthcare facilities and a sports centre.

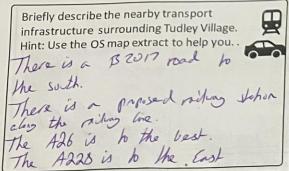
Movement – An interconnected network of footpaths, cycle tracks and roads is planned throughout the village and will link to Tonbridge and Five Oak Green.

Adapted from The Tudeley Village proposal

The Tudeley Village Plan

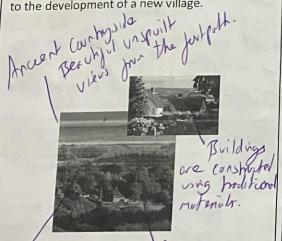




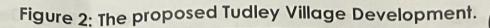


What is an AONB? Area of Ookstanding Natural Beach

Annotate the photographs below of the High Welds below to explain why AONB is significant to the development of a new village.



Areas of James mixed forms - Susmesses for Sieds ond greated greated areas.



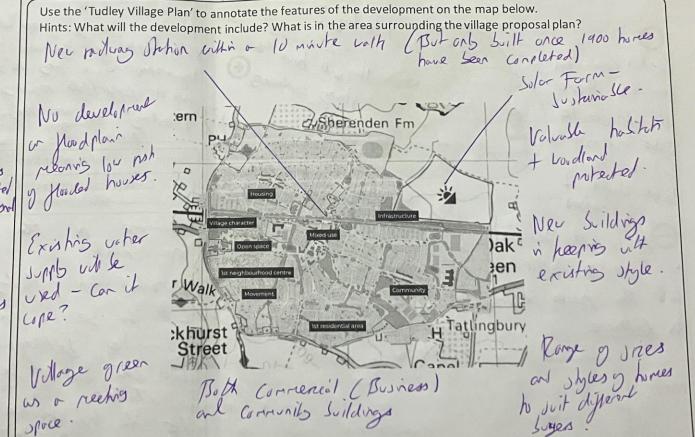
Where is the proposed Village of Tudley? What is the area like? Use the booklet and drone footage.

Tudeley is found to the East of TonSnidge in Kent.
This is found in the South East of England.

The Capital city of London is found to the Worth Lest.

The area is reletively flot and green.

Using map evidence, what are the advantages and disadvantages of the proposed site? (+) Advantages Disadvantages It is accessible The Baoin VIC the B2017 experences prope The land is pelchiels There is currents no rading Johan flot and there is meaning commeters no need to hanh have to have to anything down Toninge Johin. There is a pilmas line



Different perspectives on the Tudeley Village development

Tudeley Village - Key points

walk from anywhere in the village

Sustainability is the main principle for the development of Tudeley Village and part of this is the creation of a pedestrian-friendly, walkable community. The main streets will connect neighbourhoods and be linked by footpaths and cycle routes. A bus route to nearby towns, electric-vehicle charging points and a cycle route to Tonbridge will support sustainable transport.

Cricket club

New railway station within a 10-minute

Solar farm will generate electricity and renewable energy technology will be used throughout the development

Ancient

existing

valuable

Existing

heritage

and new

buildings

styles of

building

buildings will be preserved

designed to fit

in with local

habitats will

be protected

woodland and

development will be allowed on the floodplain

Anew electricity sub-station will be built

Existing water supply infrastructure will be used and drainage systems upgraded

A traditional village green will provide a meeting and recreational area

A mixture of commercial and cammunity buildings

A range of housing sizes and styles will be built to attract people of different aces, and affordable housing will be included

Adapted from 'The Tudeley Village proposal'

Part of the Local Authority Plan for Tudeley Village

Tudeley Village will provide the opportunity for a sustainable settlement with a new village community of mixed housing to suit a range of different family circumstances. The location will create the opportunity for residents to visit nearby towns, as well as the open countryside of the High Weald. The settlement will be supported by a village centre with shops, services and commercial/office space, which will provide local employment opportunities. Community facilities will also be built, including schools and a health centre. Recreational space is included in the plan, both around the village green and nearby playing fields. Road networks will be improved and a proposed bypass around Five Oak Green will help to manage the expected increase in traffic. The development provides for a new railway station, providing rail links to London, while footpaths and cycle-ways will be developed in order to reduce car use. The development has a 'low energy vision' and district heating and modern waste collection measures will be considered.

(Adapted from Tunbridge Wells - Pre-Submission Local Plan)

toe

Figure 3 continued

Different perspectives on the Tudeley Village development

Tudeley Village will turn a rural area into an extension of Tonbridge (Summary of local objections)

The development of Tudeley Village will turn an area of open countryside into an urban landscape. The land is part of an ancient area of woodland and provides open space between existing urban areas and is used as a recreational space by local people. Many people who live in the Tonbridge area regularly commute to London for work, where they can earn far more, so it is likely that if Tudeley Village is built it will become another 'commuter settlement', with lots of additional traffic and parking problems. The development of shops and services will also take business away from existing commercial centres and increase traffic from other places.

Tudeley development could be a disaster

A local campaign group is concerned that the development of large areas of housing will have a significant effect on the local area and create an area of urban sprawl between Tonbridge and Paddock Wood. The chairman of the group has suggested that development will create additional traffic on 'already congested roads' and that the development 'opens up sustainability issues as infrastructure and facilities will only be provided when a certain number of the houses have been built', and that may not be for a number of years since the development is planned to take 30 years. For example, the railway station will not be built until 1900 houses have been completed; until then there will be increasing traffic as a result of residents getting to Tonbridge station in order to commute to London. There are also concerns that the existing infrastructure will not cope with the scale of the development and the area of hard surfaces will increase flood risks.

The campaign group has identified the following factors that they feel make the proposed development 'unsuitable and unsustainable'

- The site includes hedges, woodland and footpaths regularly used by the local community.
- The existing electricity and sewage infrastructure will not support such a large development.
- The development will put pressure on local services, which already have high demand.
- The B2017 road already experiences congestion and long traffic tailbacks and the development. will add to this.
- The development may take business away from nearby villages, making them less sustainable.
- The new housing will be too expensive for local people and the development will do little to supply the affordable housing that local people need.

(Adapted from the 'Save Capel' campaign group)

MGHINS)

What is a sustainable settlement? A sustainable settlement manages its social, environmental and economic characteristics in order to meet current and

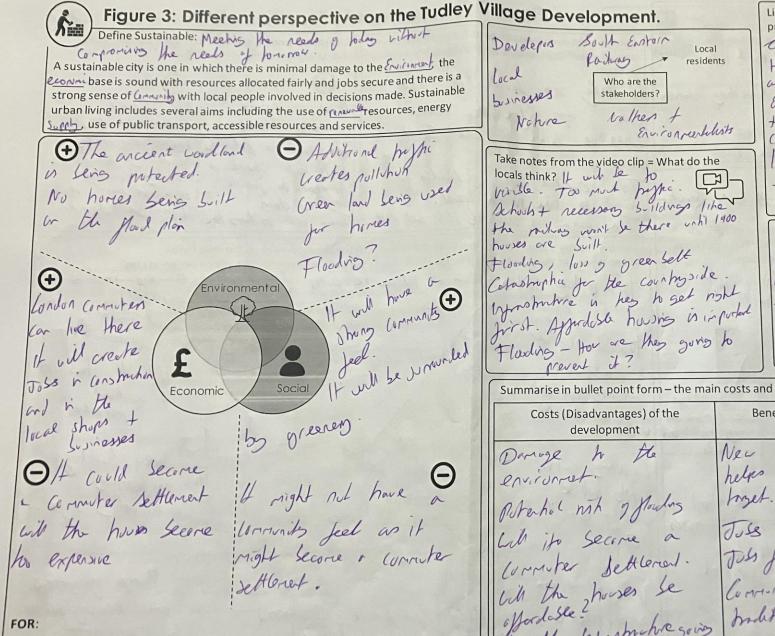
future needs. These could include: access to quality, affordable housing and utilities (water/energy)

- community facilities
- · environmental protection
- · local employment opportunities
- all needs met locally
- minimum waste created
- recycling opportunities
- renewable energy opportunities
- sustainable transport systems.

Mixed Villag noustre Social car LOW ENERGY Sustainable settlement Environmental Economic Modelin Shops

0

END OF RESOURCES



FOR:

Developes South Enstern Local fading residents local Who are the Linesses stakeholders? volpes + Nohre Environmentalists

Take notes from the video clip = What do the locals think? It with be to with higher. To much profice. Schools + recessors 5-11dry like the miles went be there with 1400

List the objections to the proposed development. Commitee gettlement Hedgest worlland at msh. Existing serage + electricity want long happie Impected

Should the village go ahead? Why? No - it Unit Se Justairable until thes plan for the extra hoppe + ifrastrubre

Summarise in bullet point form - the main costs and benefits of the new proposal.

Costs (Disadvantages) of the development	Benefits (Advantages) of the settlement
Darroge he the environment. Potenhol nich of flowling Lib its Secree a Commuter Settlement. Lib the phoses be offordable? The Injustmahregoing The Marsholme going	New horses which he helps more words the horset. Tols in construction Tols for local people. Commits feel aft brothward village style.



Decision Making Exercise: To what extent do you believe the proposed development of Tudeley Village is sustainable



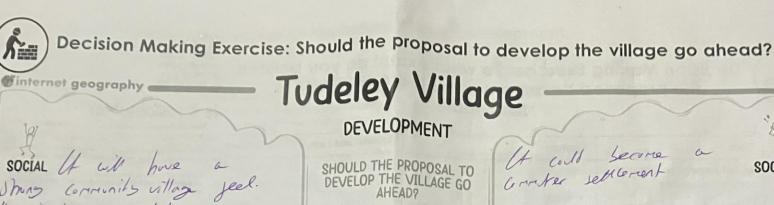


Is it sustainable?

Social sustainability is when everyone can claim a reasonable quality of life, maximis
their personal potential and maintain a healthy community now and in the future

- have access to

	Point	Example	Explain and Link	their personal potential and maintain a healthy community now and in the
2	To some extent, proposal is socially sustainable	There is a need to Boild 300,000 new hones in England every year	This is shown in Justice 1.	Environmental sustainability is when no lasting damage is done to the envir renewable resources are managed in ways that guarantee continued use. Economic sustainability is when individuals and communities continue to ha a reliable income over time without a negative impact on the environment, culture
2	However, elements of the plan are not socially sustainable	There is a nish is with secure a commuter ettlement and not have a community feel	This is shown in figure people who alreads Income to London for	e in the crea
3	The proposal also includes environmentally sustainable features	They are not brilding on the your plain and we poteching valvable howitats.	This is shown in for positive as it reass) are protected.	your 2 and is a that valuable holitate
3	However, elements of the plan	The site includes hedges, willend and joutpuths used is the local community.	By losing these gre as a result of the cons we will cause permanent environment - As shown in	domage to the
£		come for local Swiesses.	resident to visit news	te opportunities for
£	a negative economic impact	he development may he development may nearly villages t vill he expense per locals	Figure 3 States that a court afford to live there of a regarde input or	. There is also a note
	in conclusion The regchies in higher, pullihin, lus	of greenland, orish of	es. Due to the rish it seconding a commit doesn't make unse	of flooding, increase the settlement and



Thing commits village yeal. It will be sumunded by greeness ECONOMIC lad peple.

The oncient would is & seis pretetet. ENVIRONMENTAL No homes on the Hord plan.



SOCIAL

will the homes be grandable or will they sell to people the former with in borden and earn ECONOM **ECONOMIC** larger salaries?

Additional hopic crectes pullihon Creen land seins used ger horeste donoges the haltah. ENVIRONMENTAL is there a risk of flooding.

CONCLUSION

ADVANTAGES

DISADVANTAGES

IVES In my opinion the Tudeley village development should not be suit there is XNO for much go nich to the Environment, Green land, concert wouldn't and hedgerns and puterholls be domaged. There is a sensus flood nich in the area. Finalls they haven't thought about the infrastruture records there is going to be heavy Proper Cousing pulluhon. If they do decide to go a head they need to develor the

Don't juget to the give an alternative view! (1)