

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

Geography A

**Paper 3: Geographical Investigations:
Fieldwork and UK Challenges**

Sample assessment material for first teaching
September 2016

Resource Booklet

Paper Reference

1GA0/03

Do not return the Resource Booklet with the question paper.

Turn over ►

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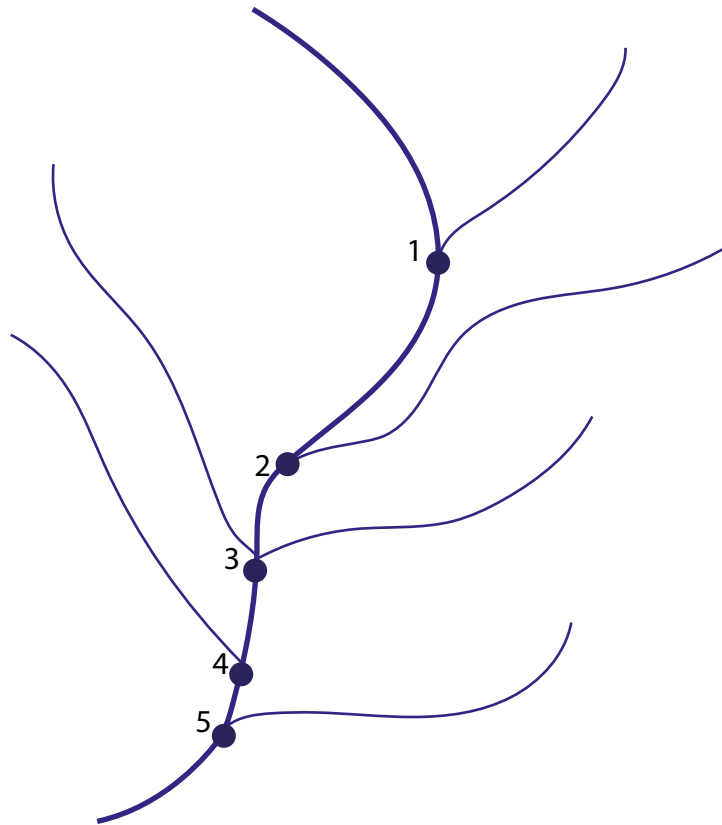


Figure 1a

| Channel variable | Units | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 |
|-------------------------|-----------------------|---------------|---------------|---------------|---------------|---------------|
| Width (m) | (m) | 0.45 | 0.52 | 0.78 | 0.85 | 1.10 |
| Depth (m) | (m) | 0.10 | 0.13 | 0.16 | 0.80 | 0.21 |
| Cross-sectional area | | 0.05 | 0.07 | 0.12 | 0.68 | 0.23 |
| Velocity | (m/sec) | 0.45 | 0.47 | 0.56 | 0.55 | 0.51 |
| Discharge | (m ³ /sec) | 0.02 | 0.03 | 0.07 | 0.37 | 0.12 |

Figure 1b

A table of river data collected by a geography student.

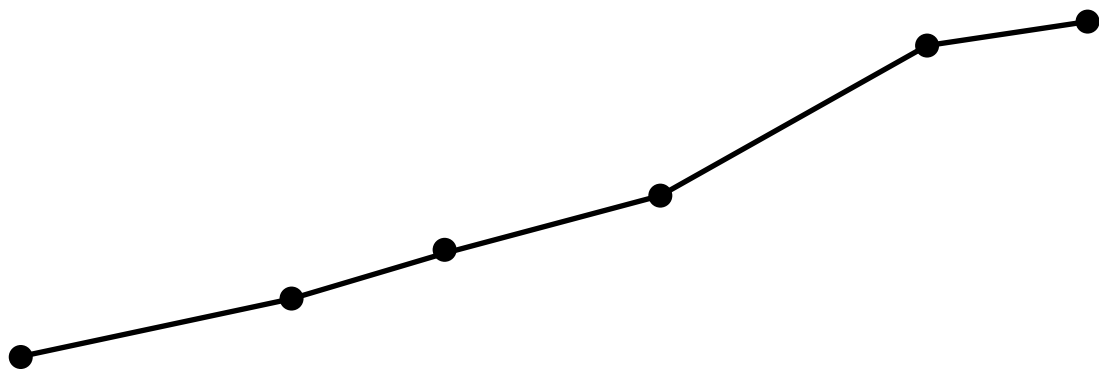


Figure 2a

| Sediment characteristics | Units | Site 1 | Site 2 | Site 3 | Site 4 | Site 5 |
|---------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|
| Long axis | (mm) | 43 | 56 | 56 | 62 | 43 |
| Short axis | (mm) | 22 | 34 | 32 | 56 | 26 |
| Roundness Score | (1–6) | 2 | 2 | 6 | 4 | 6 |
| Beach gradient | | 6 | 8 | 7 | 15 | 6 |

Figure 2b

A table of beach data collected by geography students at five sites along a beach.

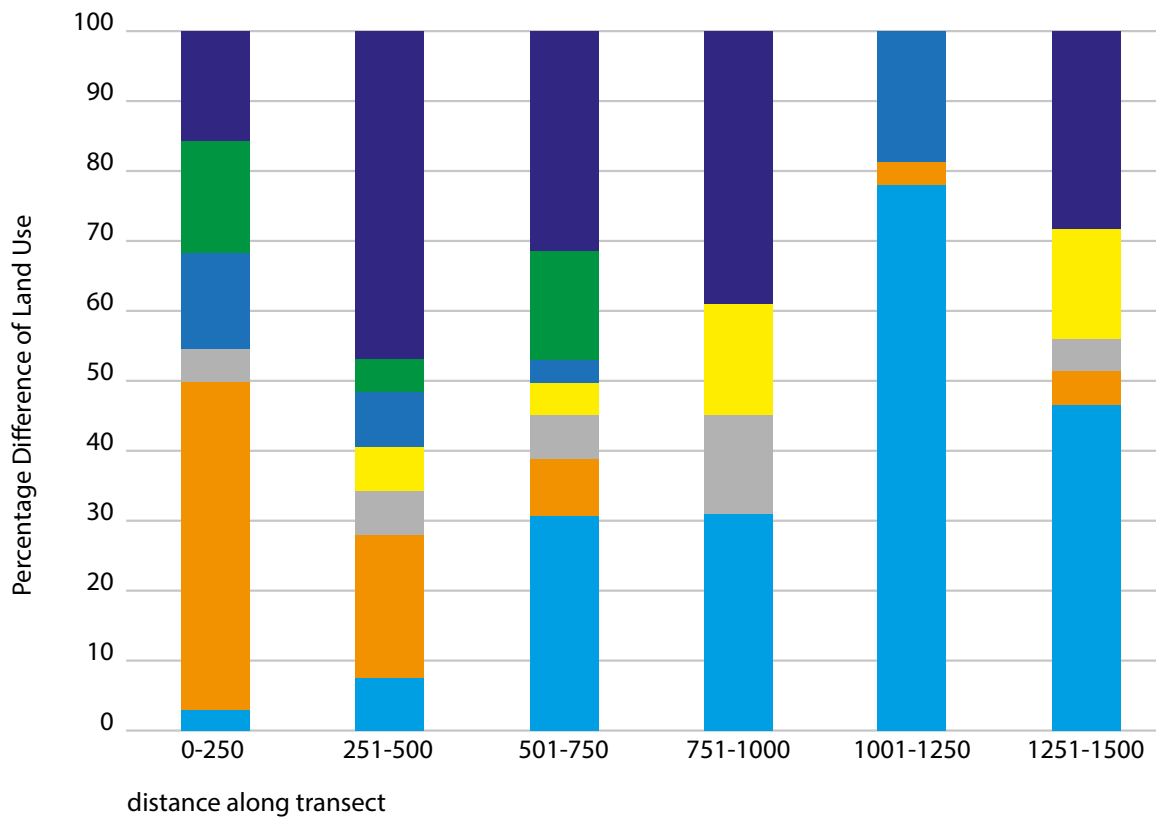


Figure 3

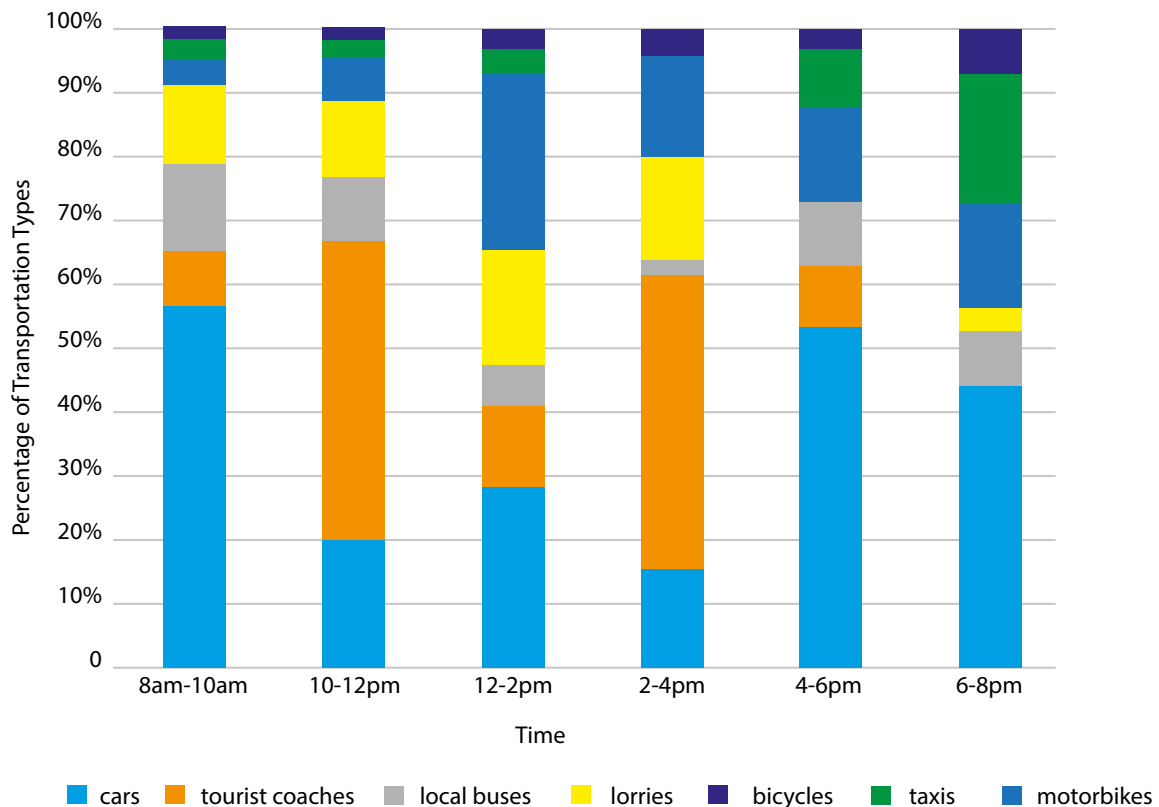
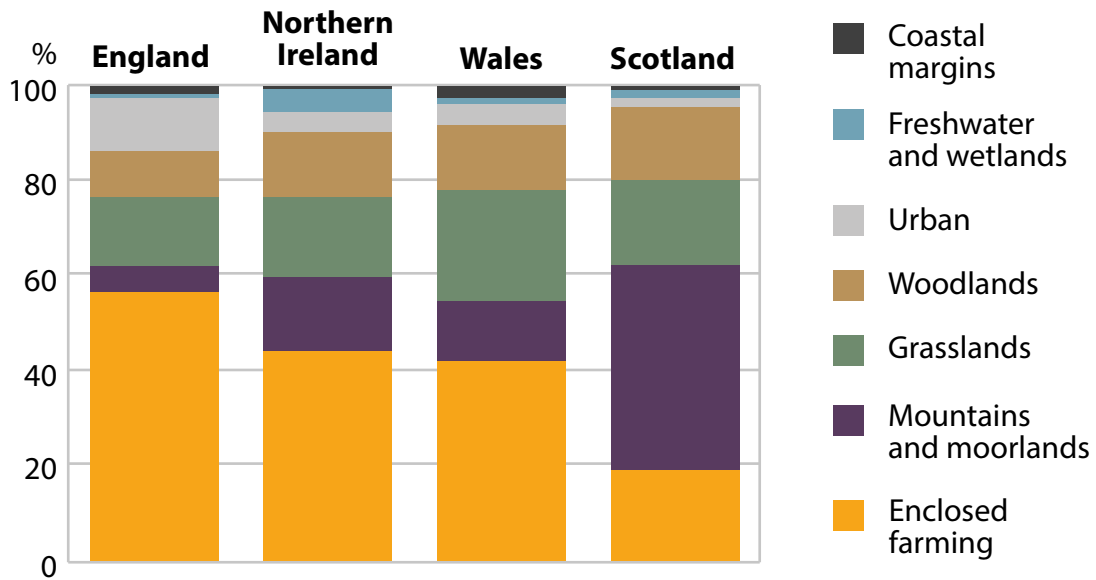


Figure 4

The UK faces social and political challenges from its increasing population growth. This growth, including that from migration, will lead to an increased demand for housing and competition for land resources and space. This may have a negative impact on UK habitats and ecosystems

Ecosystems across the UK

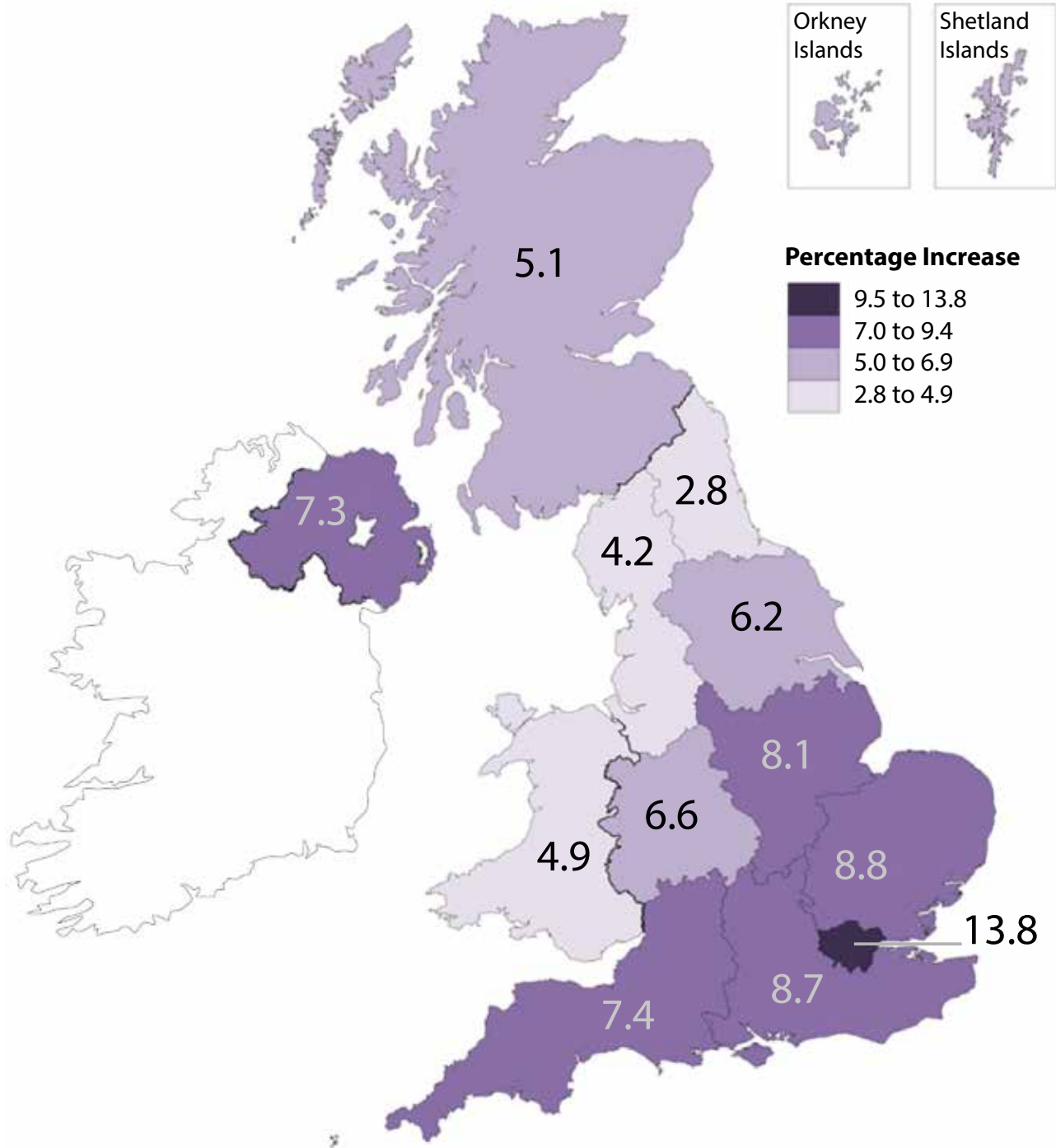
Land in each nation broken down by ecosystem



(Source: UK National Ecosystem Assessment)

Figure 5a

Proportions of different ecosystems within the UK.



(Source: Office for National Statistics © Crown copyright 2015)

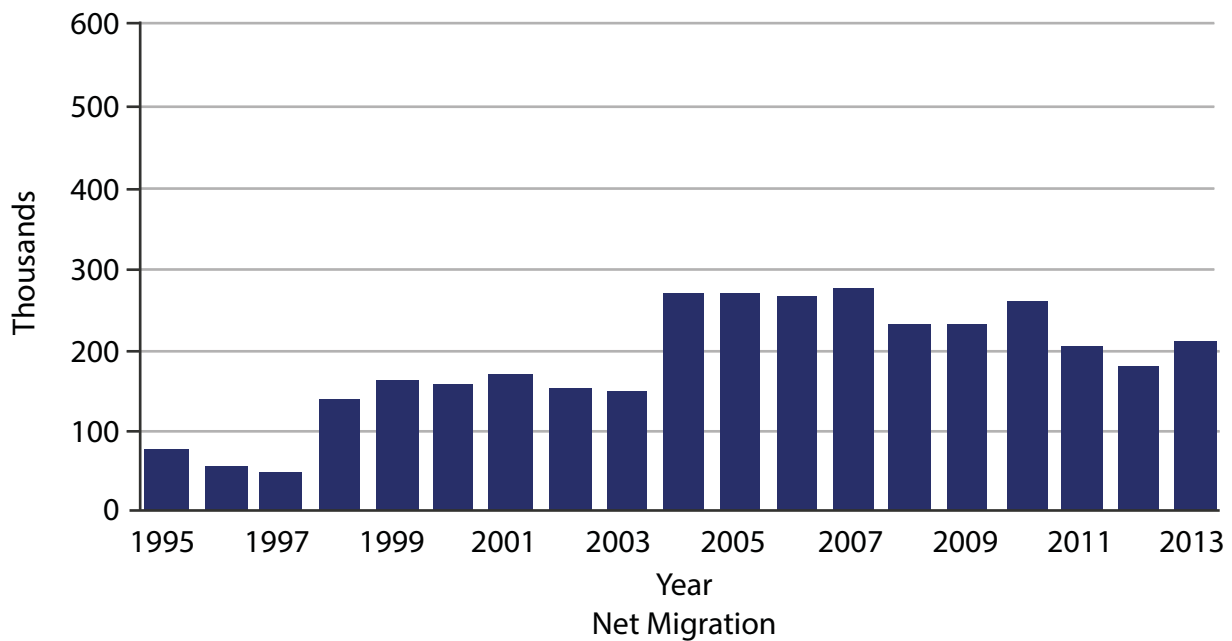
Figure 5b
Percentage population increase in UK regions 2001-2011

| Region | North East | North West | Yorks and Humber | East Midlands | West Midlands | East of England | London | South East | South West | Total |
|-----------|------------|------------|------------------|---------------|---------------|-----------------|--------|------------|------------|-------|
| Area (ha) | 960 | 1700 | 1840 | 2830 | 1530 | 2660 | 170 | 2520 | 2780 | 16990 |

Figure 5c

Amount of greenbelt in England (2011).

Long-term international migration for the UK, 1995–2013



(Source: from: Office for National Statistics. © Crown copyright 2015)

Figure 5d

Net migration for the UK, 1995 to 2013.

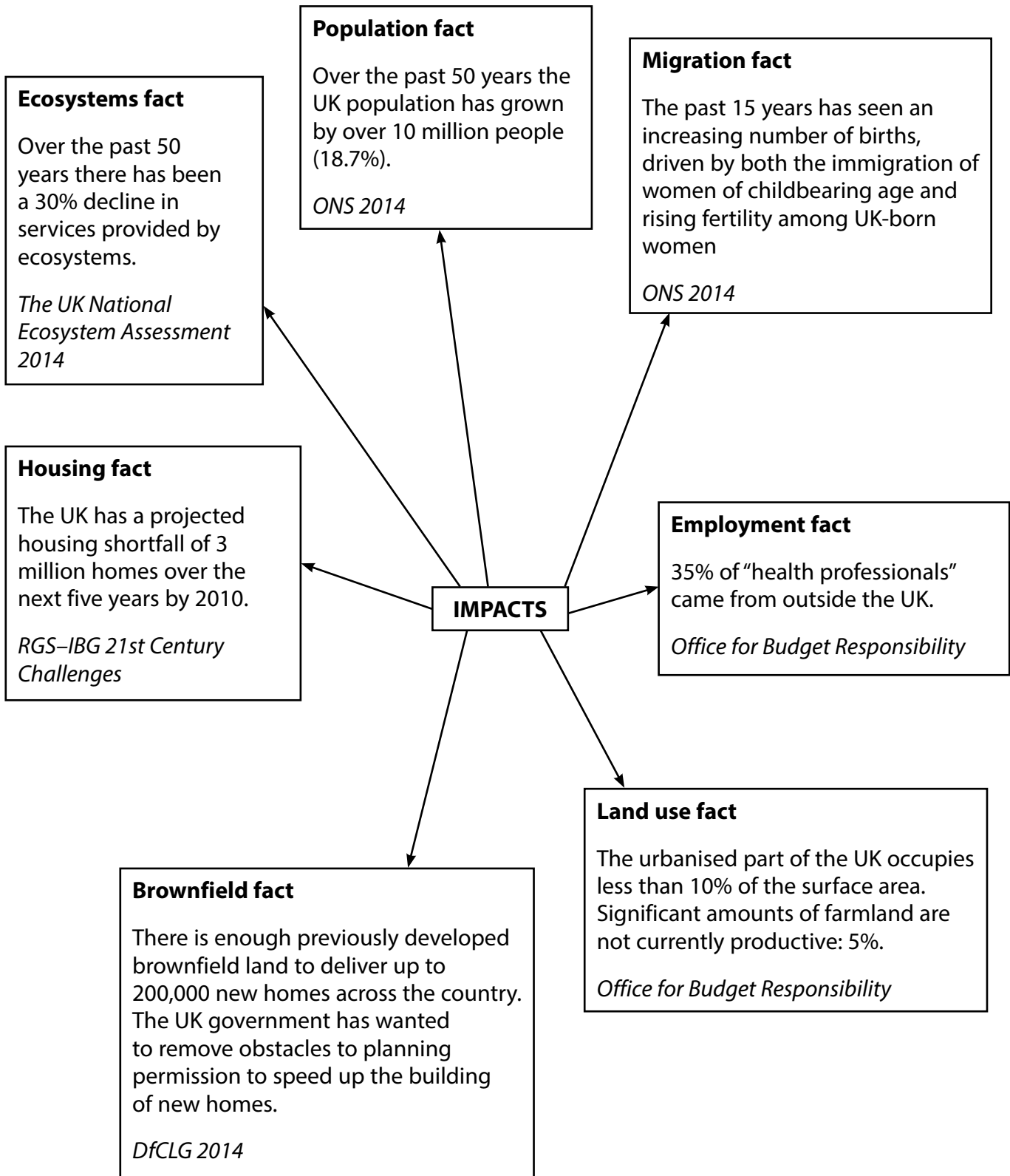


Figure 5e

Social, economic and environmental facts about the UK.