

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

# **Geography A**

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

Monday 11 June 2018 – Afternoon  
**Resource Booklet**

Paper Reference  
**1GA0/03**

**Do not return the Resource Booklet with the question paper.**

*Turn over* ►

**P52366A**

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### SECTION A

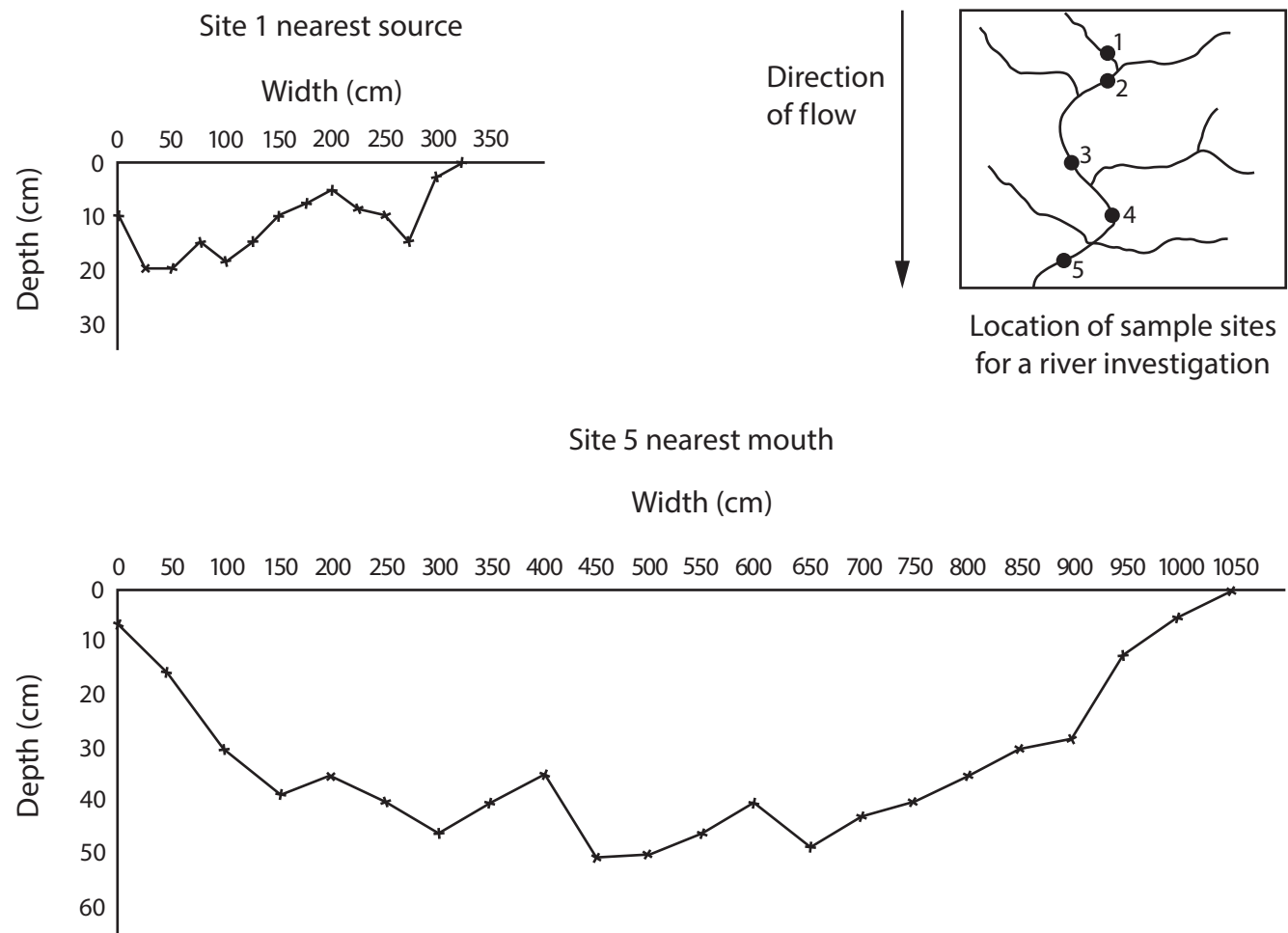
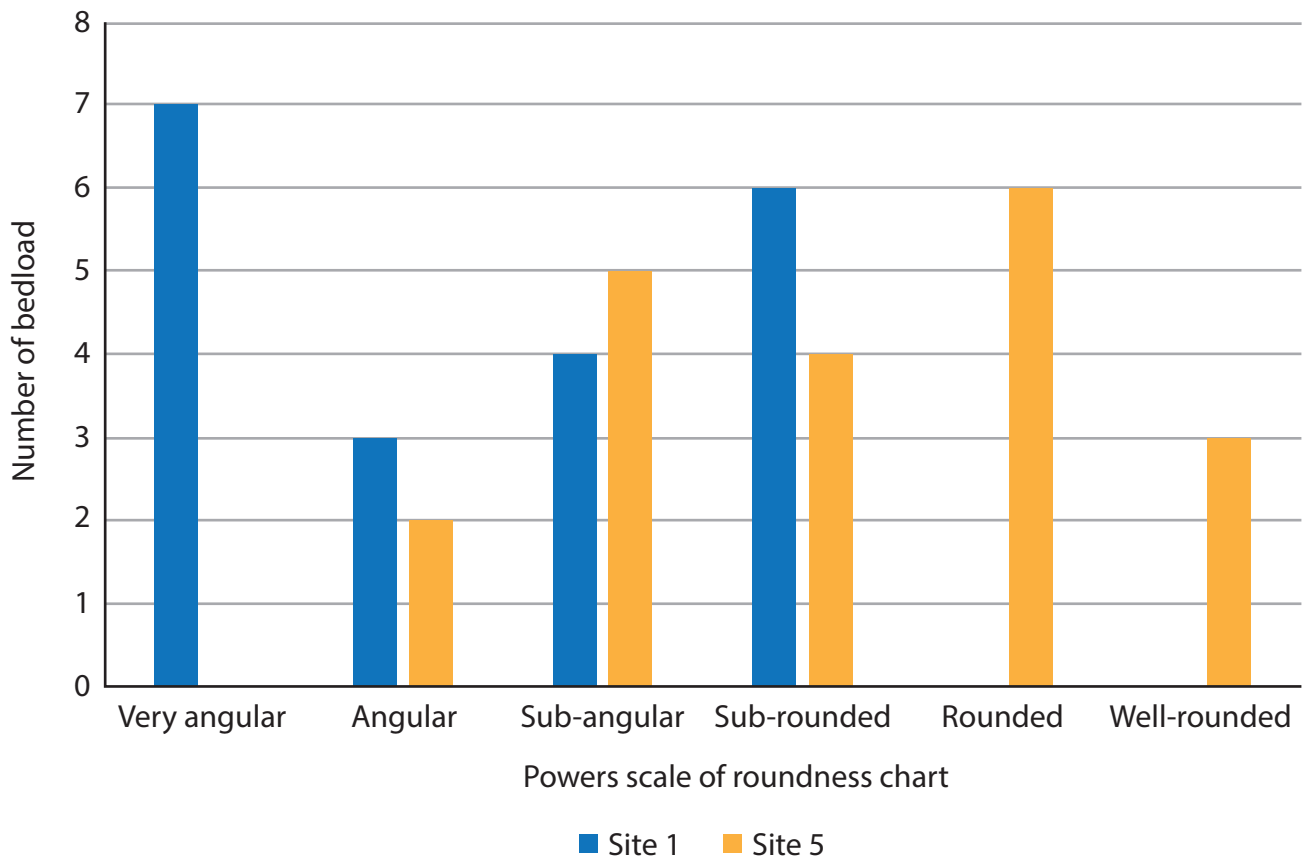








Figure 1a

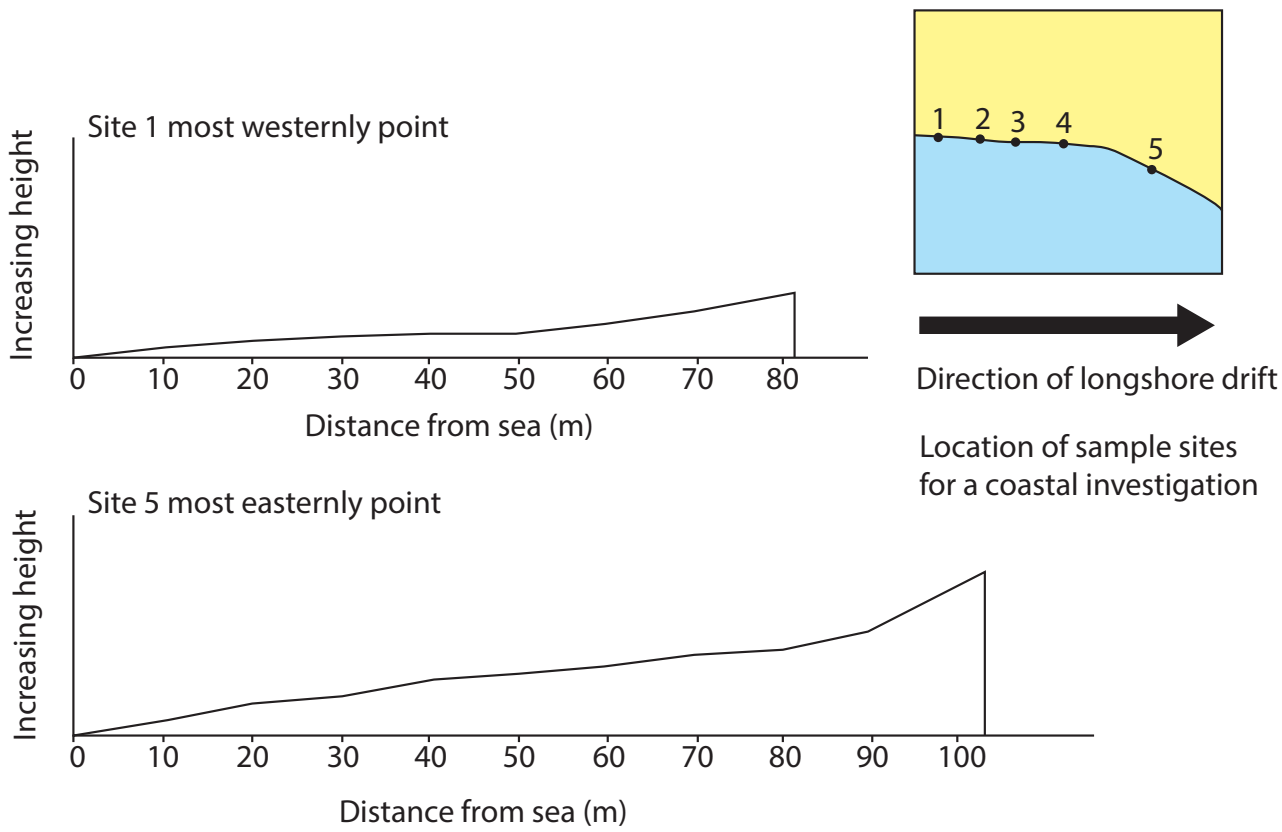
Plotted cross-sections of river channel at Site 1 and Site 5



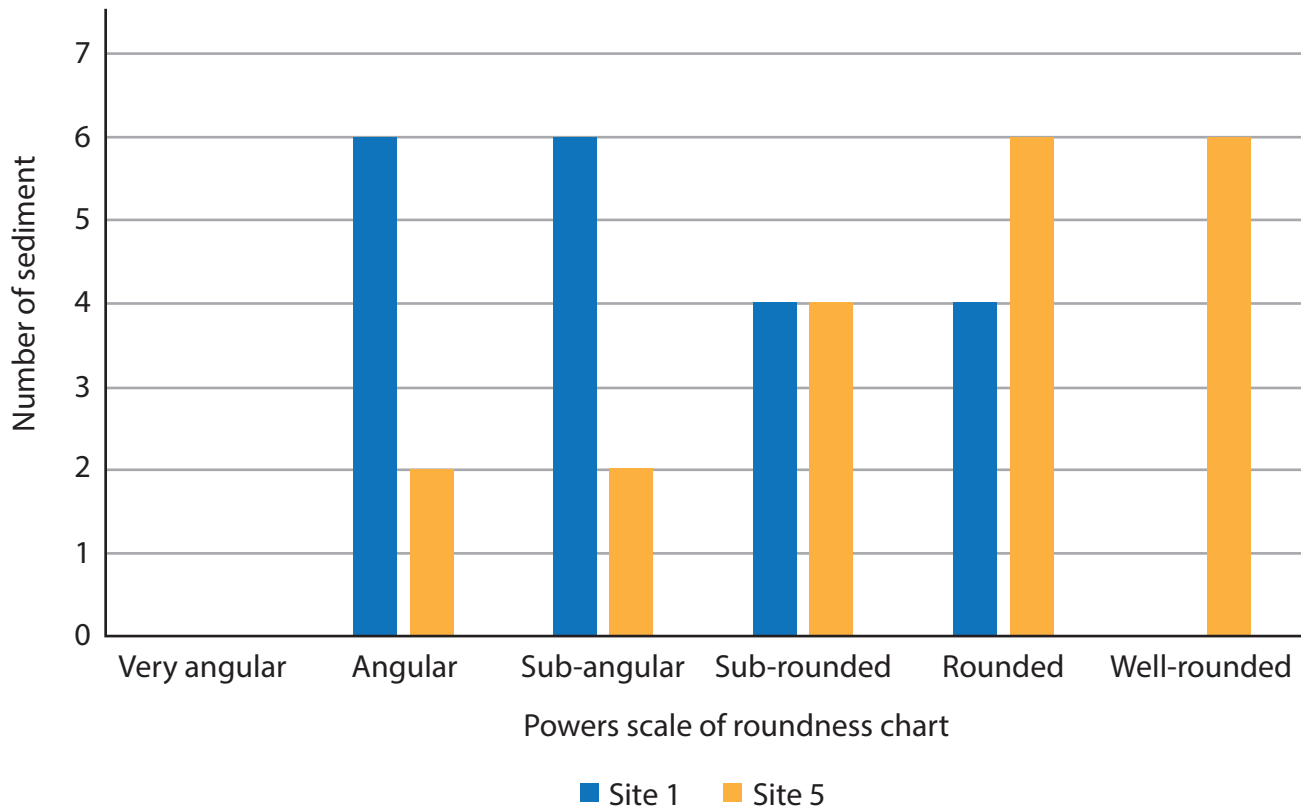
Very angular	Angular	Sub-angular	Sub-rounded	Rounded	Well-rounded
					







**Figure 1b**

**Powers scale of roundness chart for bedload sample at Site 1 and Site 5**



**Figure 2a**  
**Plotted cross-sections of beach profile at Site 1 and Site 5**



Very angular	Angular	Sub-angular	Sub-rounded	Rounded	Well-rounded
					

**Figure 2b**

**Powers scale of roundness chart for sediment sample at Site 1 and Site 5**

## SECTION B



**Figure 3a**

**Student conducting a questionnaire about environmental quality for an urban study**



**Figure 4a**

**Student conducting a questionnaire about environmental quality for a rural study**

## SECTION C

Year	CO <sub>2</sub> per capita (tonnes)
1990	1.4
2010	1.1
2015	1.08
2025	0.95
2030	0.9

Figure 5a

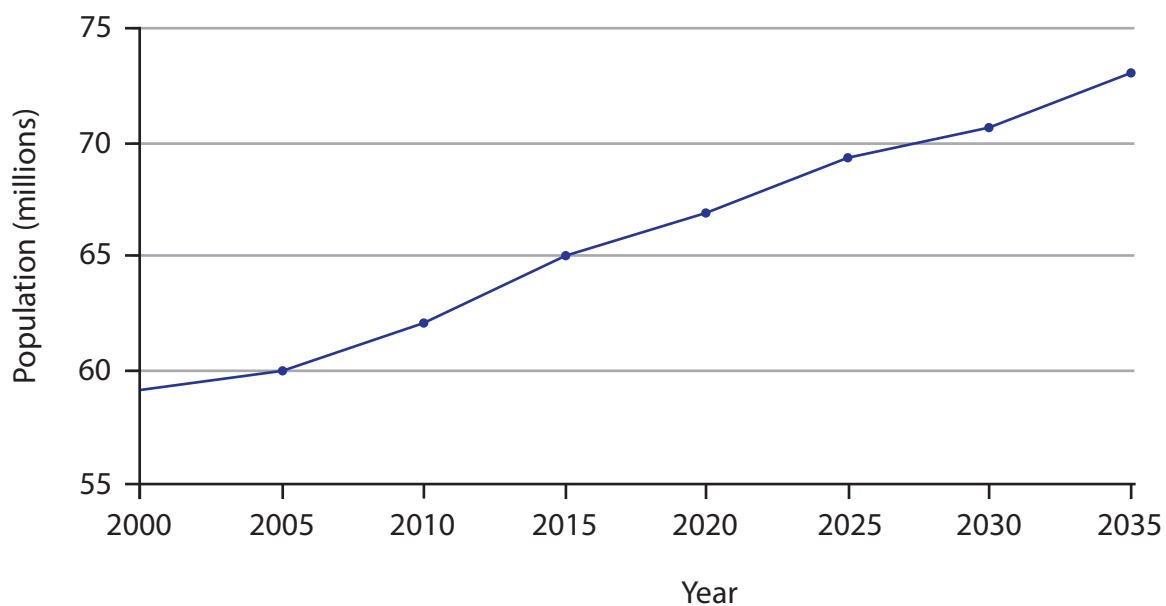
Past and projected CO<sub>2</sub> emissions from transport in Greater London (2010)

Figure 5b

## Population change for the UK from 2000 to 2035



The new Routemasters (shown below) use diesel-electric hybrid technology which will reduce annual carbon dioxide (CO<sub>2</sub>) emissions by around 20 600 tonnes.

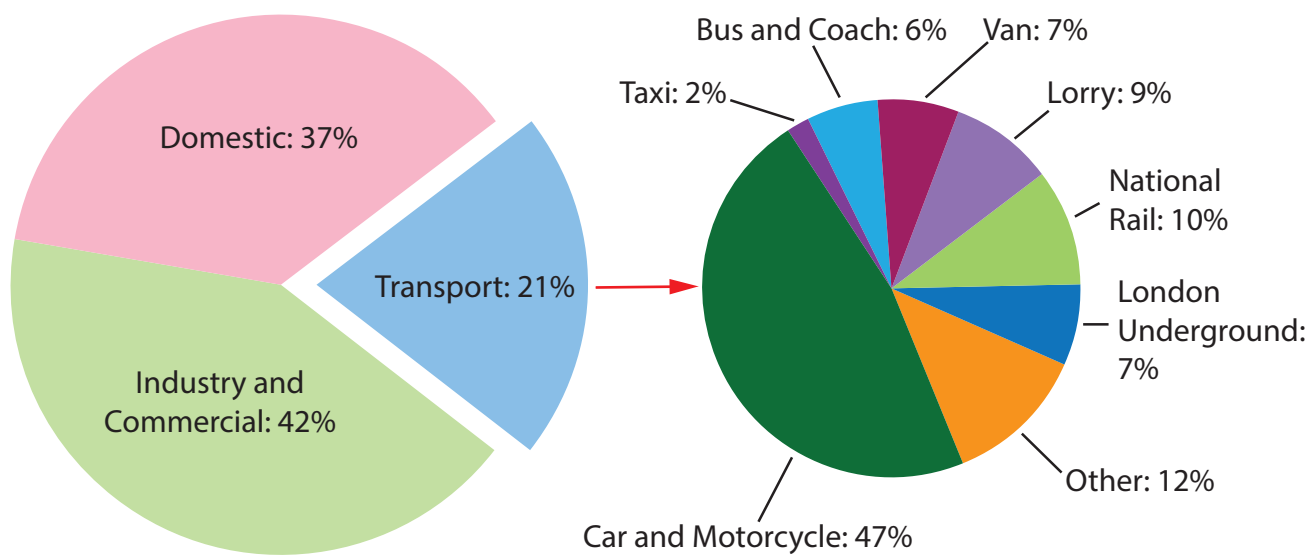
Average fuel consumption of the new Routemaster hybrid buses is almost 50 per cent lower than other buses.



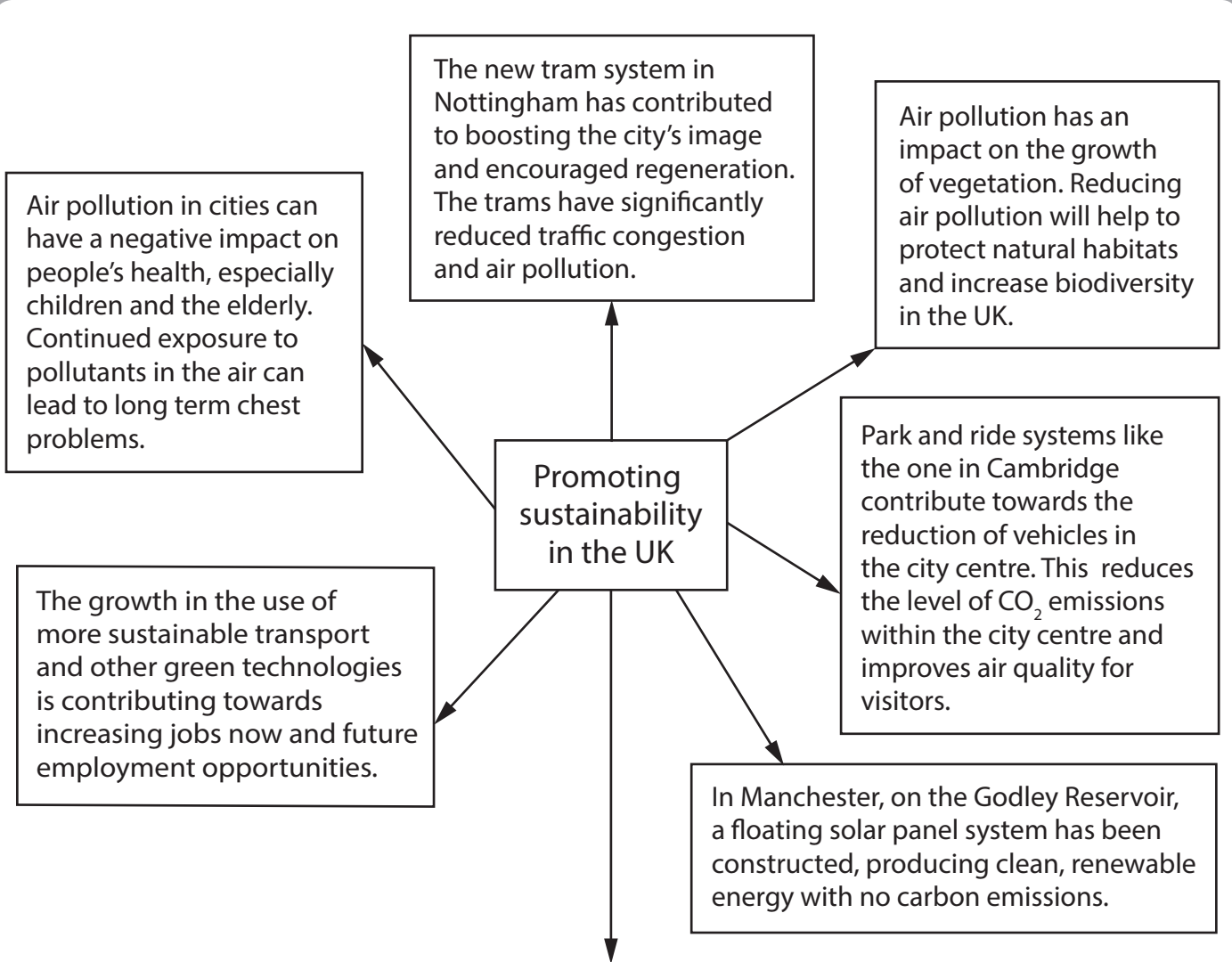
All drivers complete the smarter driving course, encouraging more efficient driving reducing carbon emissions.

The Transport for London bus network has approximately 2.3 billion passenger journeys every year.

**Figure 5d**  
**Transport for London's new Routemaster buses**



**Figure 5e**  
**CO<sub>2</sub> emissions in Greater London (2010)**



**Figure 5f**  
**Strategies used to promote sustainability in the UK**

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Figure 1b & 2b - © The Natural History Museum (London)

Figure 3a - © Michael Chiles

Figure 4a - © Michael Chiles

Figure 5d - © TERRY BLACKMAN / Alamy Stock Photo

Figure 5f - Source from <https://www.whitbread.co.uk/media/news-press-releases/costa-ecopod-telford.html>

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