



ANGLO-CHINESE JUNIOR COLLEGE

JC 2 Preliminary Examinations 2018

GEOGRAPHY
Higher 2

9751/02

INSERT

Time: 3 hours

24 August 2018
(Friday)

READ THESE INSTRUCTIONS FIRST

This Insert contains all the Resources referred to in the questions.

This Insert consists of 13 printed pages.

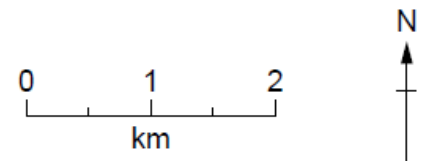
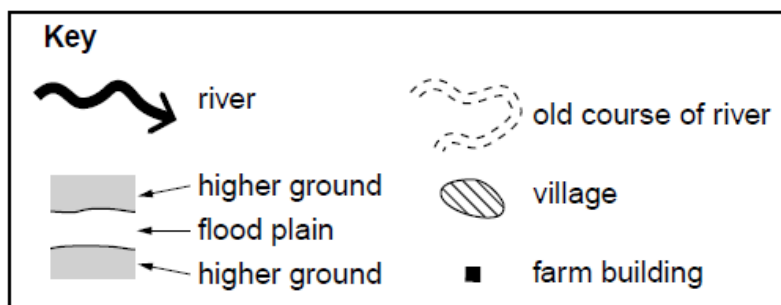
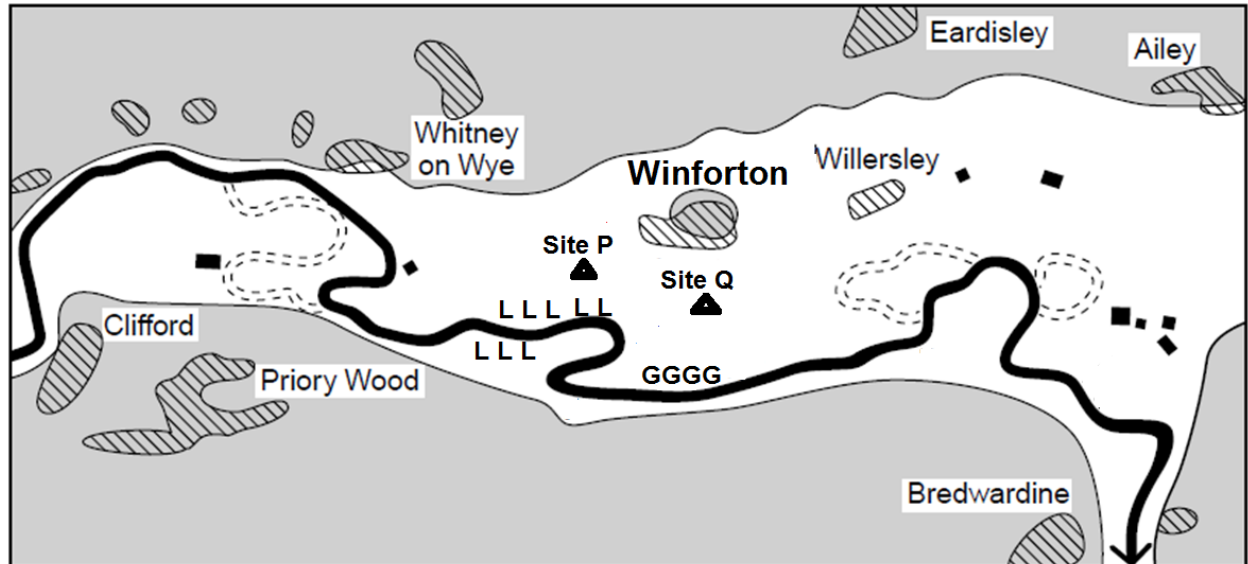


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Resource 1 for Question 1

Location of the Winforton Village and River Wye



L = Levees

G = Gabion (a basket or container filled with stones and rocks)

Resource 2 for Question 1

Bi-polar analysis for levees

Bi-polar analysis for effectiveness of Levees (Southwest of Winton Village)

Negative factors	-3	-2	-1	1	2	3	Positive factors
Vulnerable to over-topping		✓					Effective against overtopping
Badly maintained	✓						Very well maintained
Prevents public access to river					✓		No limit on public access to river

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Resource 3 for Question 1

Questionnaire Survey for the residents of Winforton Village

Introduction: *I am doing a geography project on the effectiveness of flood mitigation methods. This interview is likely to take 15 minutes.*

- 1) Age: _____
- 2) Gender: _____
- 3) Employment status: _____
- 4) Household income (gross): _____

- 5) How long have you stayed in this house? (please tick accordingly)

☐ less than 2 years ☐ between 2 and 5 years ☐ more than 5 years

- 6) How effective are the levees built in the southwest of Winforton Village? Give a number. 0- Being not effective at all and 10 – Being very effective

0	1	2	3	4	5	6	7	8	9	10
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Give reasons for your number:

- 7) How effective are the gabions built in the south of Winforton Village? Give a number. 0- Being not effective at all and 10 – Being very effective

0	1	2	3	4	5	6	7	8	9	10
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Give reasons for your number:

- 8) When was the last time this area was flooded? Please tick accordingly.

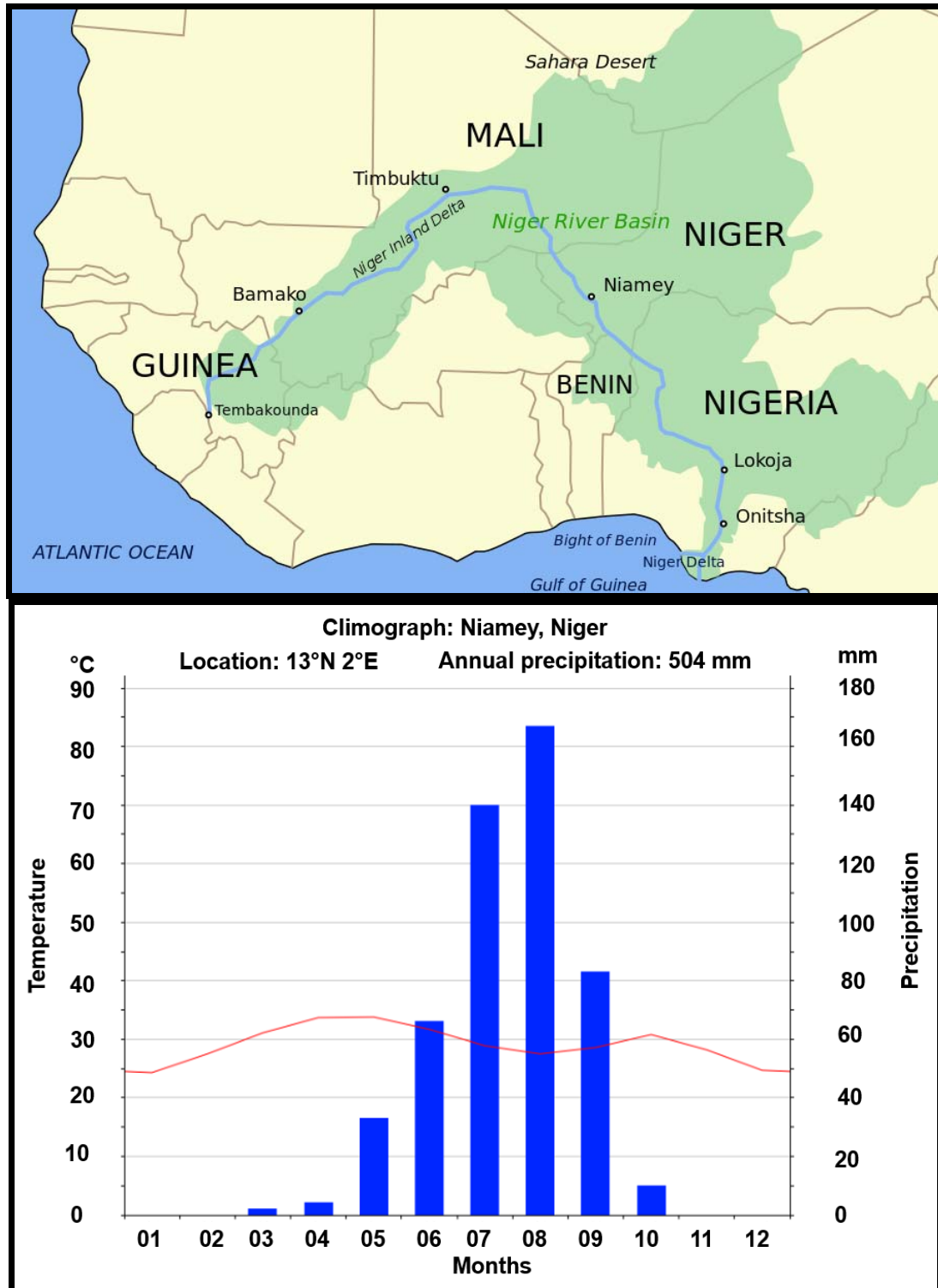
- ☐ less than 2 years ago
- ☐ between 2 and 5 years ago
- ☐ more than 5 years

- 9) What kind of hard engineering and/or soft engineering methods need(s) to be adopted to enhance the effectiveness of the overall flood mitigation in this area?

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Resource 4 for Question 2

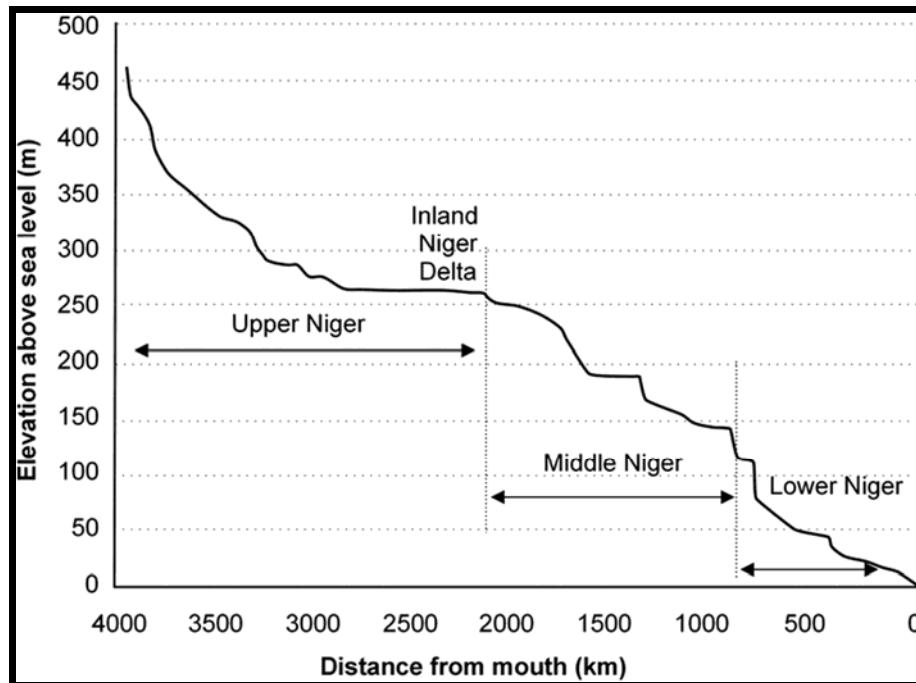
Location and Climograph of Niamey, Niger



Source: https://simple.wikipedia.org/wiki/Niger_River#/media/File:Niger_river_map.svg
<https://en.climate-data.org/location/497/>

Resource 5 for Question 2

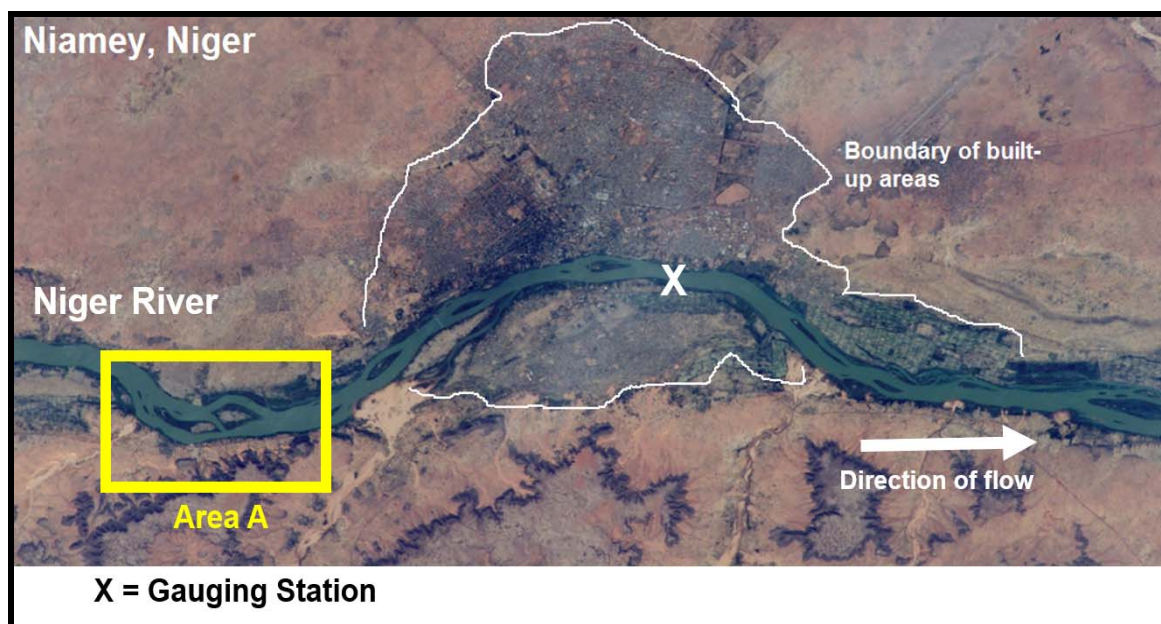
Long profile of the Upper, Middle and Lower Niger River



Source: <http://sp.lyellcollection.org/content/386/1/327>

Resource 6 for Question 2

Satellite image of Niamey and Middle Niger River

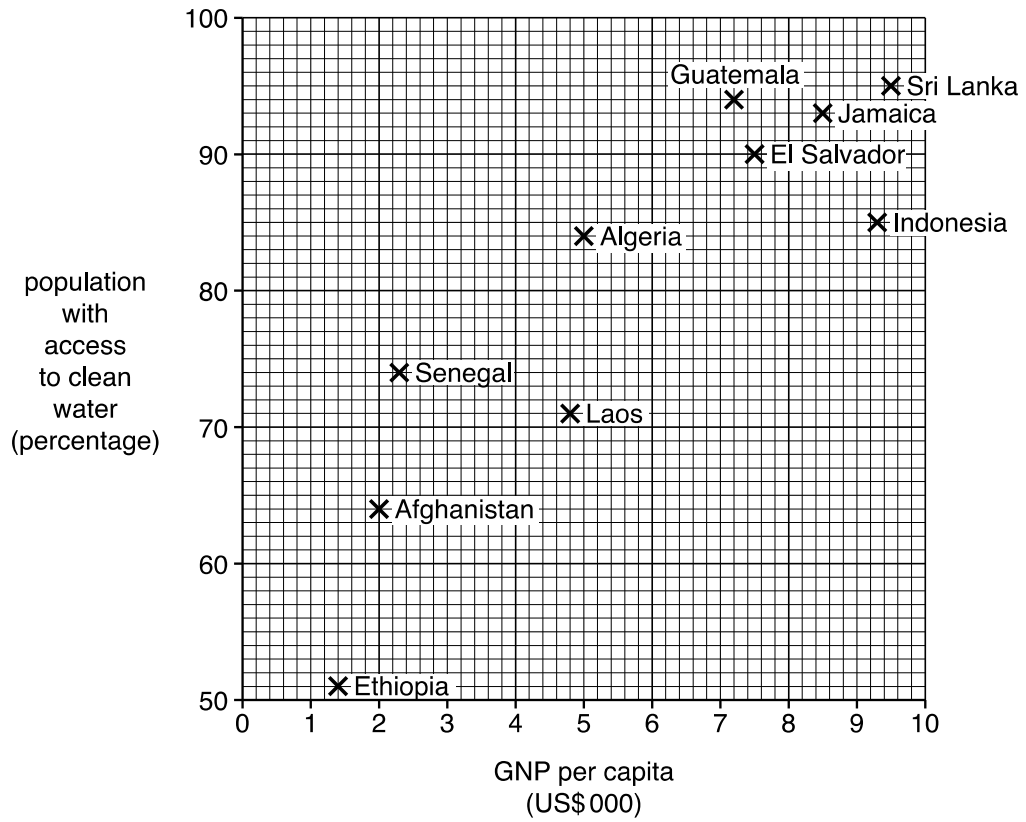


Source: <https://en.wikipedia.org/wiki/Niamey>

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Resource 7 for Question 3

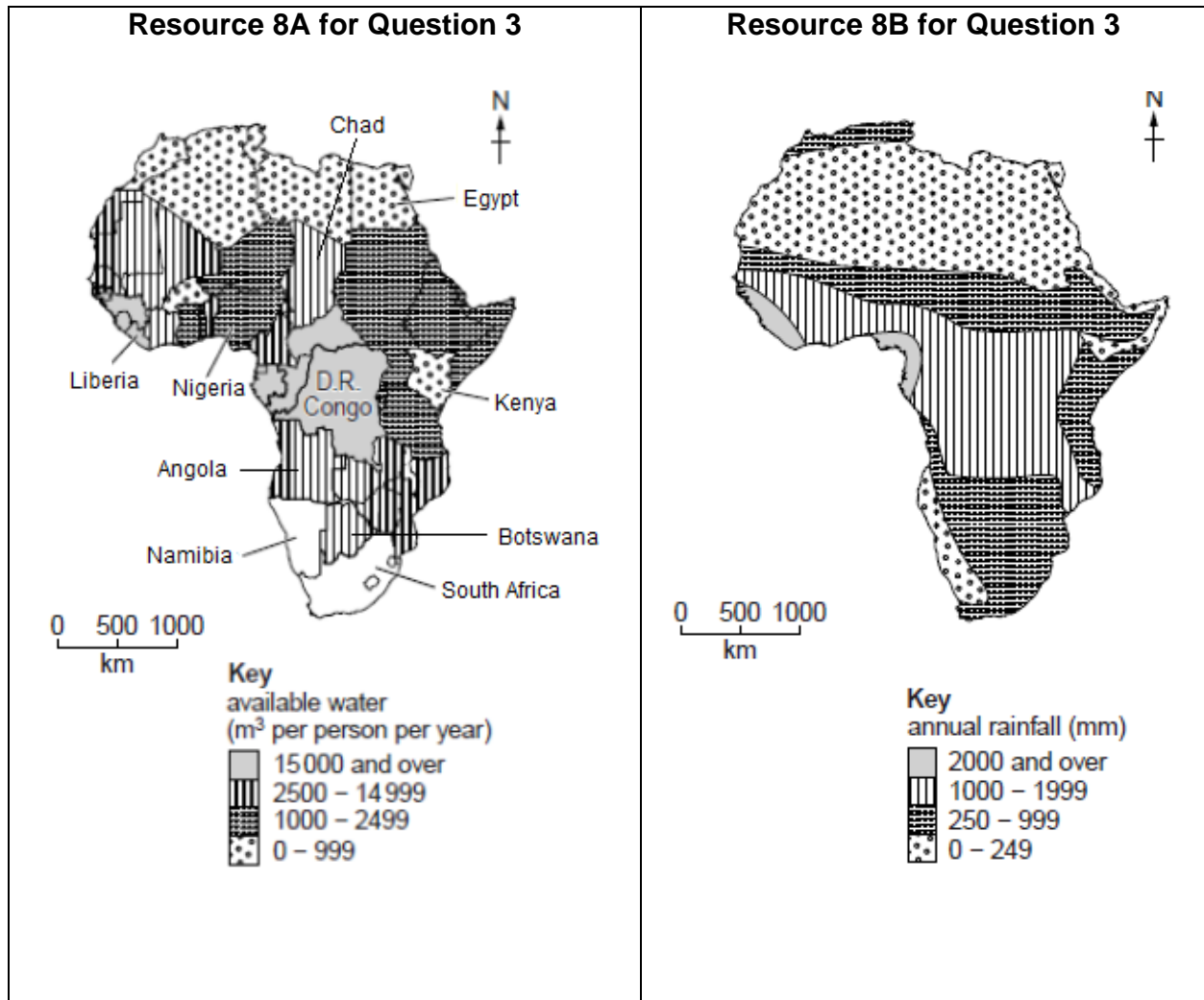
Relationship between GNP per capita and access to clean water



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Resource 8 for Question 3

Available water per person per year and annual rainfall in Africa



Resource 9 for Question 3

Water conservation programme implemented in Southern Nevada



MANDATORY WATERING RESTRICTIONS

Mandatory restrictions mean you may run sprinklers only on the assigned day(s) for your watering group. Check your bill for your watering days, visit snwa.com or call your water provider. Post this schedule by your watering clock.

My assigned group:

Watering Group	Winter November - February	Spring / Fall March - April / September - October	Summer May - August
A	Monday	Monday, Wednesday, Friday	Any Day
B	Tuesday	Tuesday, Thursday, Saturday	Any Day
C	Wednesday	Monday, Wednesday, Friday	Any Day
D	Thursday	Tuesday, Thursday, Saturday	Any Day
E	Friday	Monday, Wednesday, Friday	Any Day
F	Saturday	Tuesday, Thursday, Saturday	Any Day

Run sprinklers 3 times, 4 minutes per cycle on your assigned day(s). For drip systems, see inside.

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Resource 10 for Question 3

Construction of Dams along Mekong River, 2015



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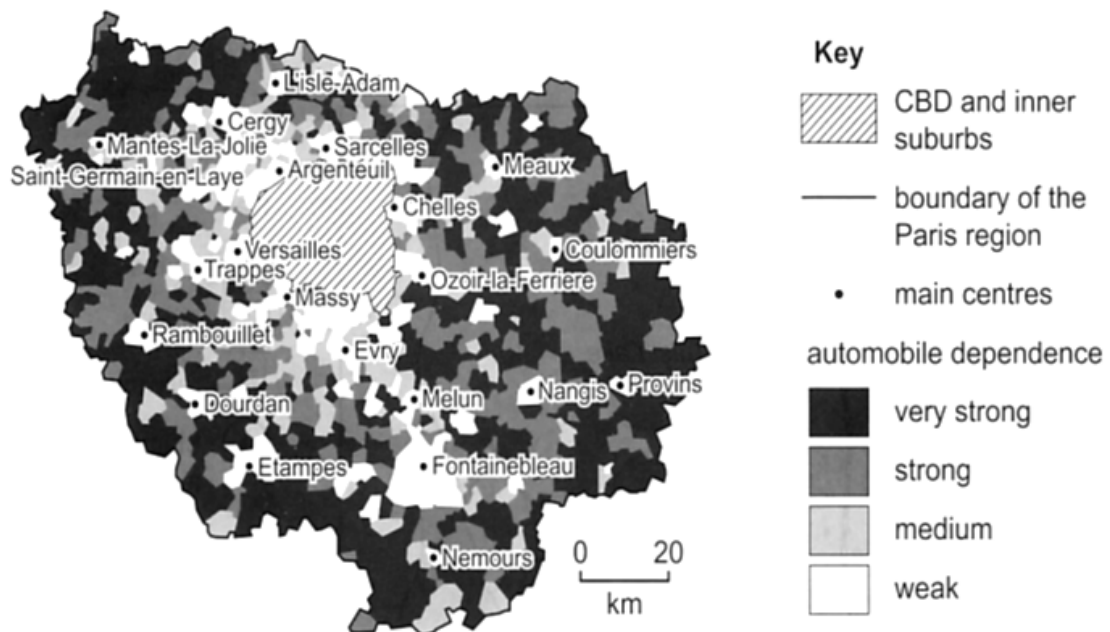
Resource 11 for Question 4

Top 10 most congested cities in the world, 2017

2017 Rank	Global City	Country	Continent	2017 Hours Spent in Congestion	Percentage of Total Drive Time in Congestion
1	Los Angeles	U.S.	North America	102	12%
2	Moscow	Russia	Europe	91	26%
2	New York City	U.S.	North America	91	13%
4	Sao Paulo	Brazil	South America	86	22%
5	San Francisco	U.S.	North America	79	12%
6	Bogota	Colombia	South America	75	30%
7	London	U.K.	Europe	74	13%
8	Atlanta	U.S.	North America	70	10%
9	Paris	France	Europe	69	13%
10	Miami	U.S.	North America	64	9%

Resource 12 for Question 4

Car dependence in the Paris, France, 2001



*Car dependence is defined as the need for the use of a car to travel to work, shop and see friends and family.

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Resource 13 for Question 4

A station of *Vélib'*, the public bicycle-sharing scheme in Paris



The *Vélib'* consists of a network of 1,800 bicycle stations, which are available 24 hours a day all year round. These are located every 300 meters in Paris. Each station consists of a central terminal to make payment for rental and bicycle posts for the docking of bicycles. The first 30 minutes of each trip are free of charge and subsequently, the next half-hour costs 1€, third half-hour 2€, and 4€ for every half-hour thereafter.

Resources 14A and 14B for Question 4

Resource 14A

2008: Part of River Seine's Lower Quay, before urban change



Resource 14B

2018: Part of River Seine's Lower Quay, after urban change

