



ANGLO-CHINESE JUNIOR COLLEGE

JC 2 Preliminary Examinations 2017

GEOGRAPHY
Higher 2

9751/02

INSERT

Time: 3 hours

22 August 2017
(Tuesday)

READ THESE INSTRUCTIONS FIRST

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

This Insert consists of 13 printed pages.



Department of Geography
Anglo-Chinese Junior College
25 Dover Close East Singapore 139745

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Resource 1 for Question 1

Map of East Coast Park



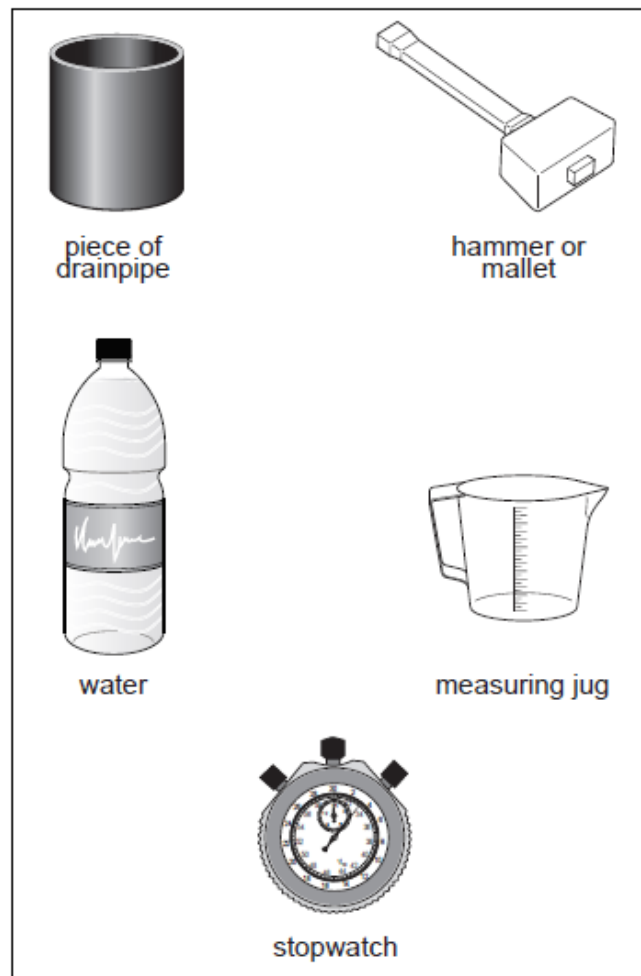
Legend:

		vegetated area		cycling track (green)		walking track (brown)		canal
		sandy beach		road				car park
		sea		building				
		investigation site		camping tent				

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Resource 2 for Question 1

Equipment used to measure infiltration



Resource 3 for Question 1

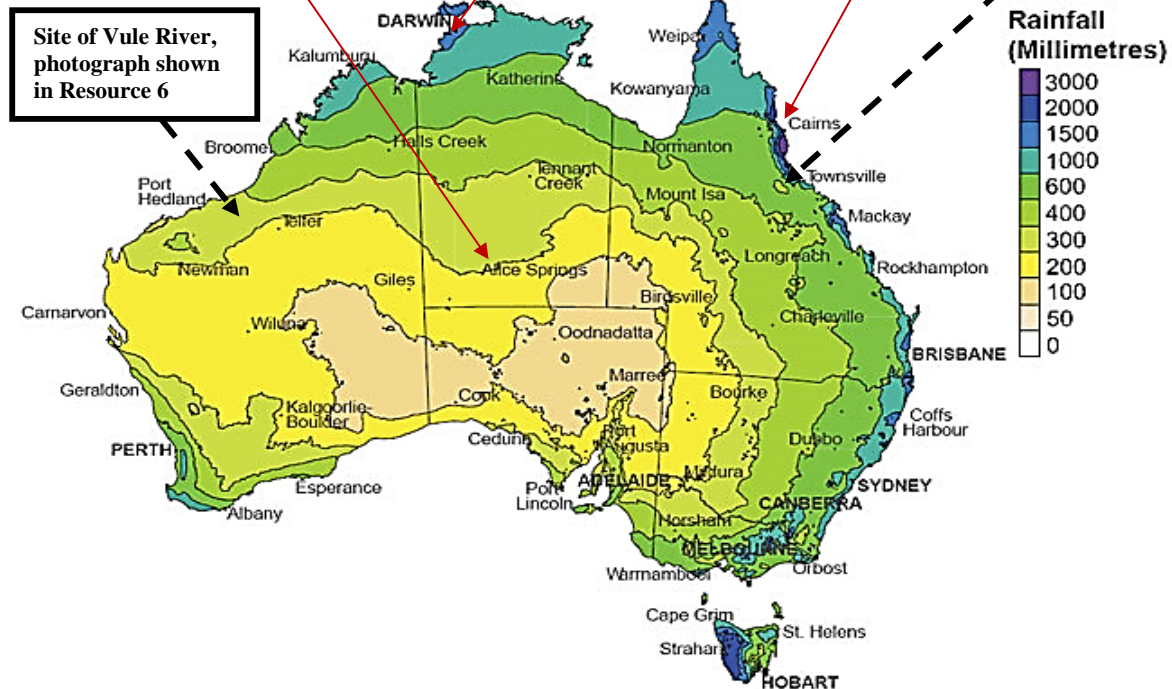
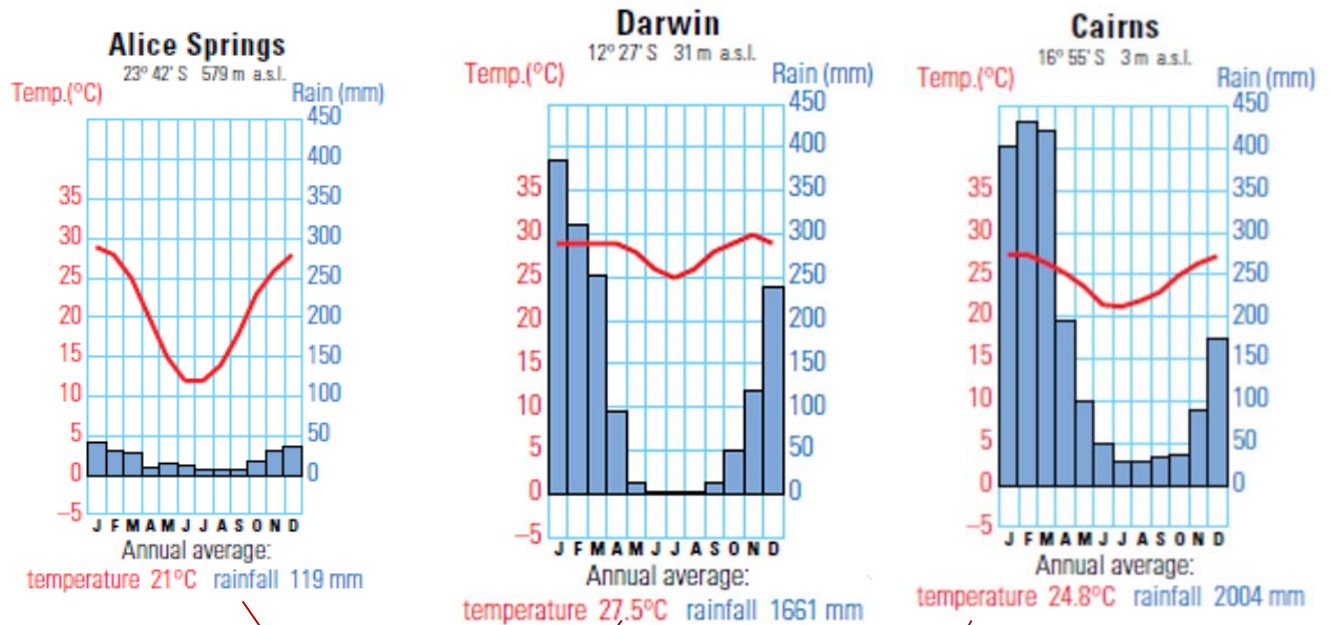
Data collected at Sites X and Y

Site X	
<i>Time (min)</i>	<i>Rate (mm/min)</i>
20	20
40	10
60	7
80	5
100	5
120	5

Site Y	
<i>Time (min)</i>	<i>Rate (mm/min)</i>
20	28
40	22
60	15
80	12
100	10
120	10

Resource 4 for Question 2

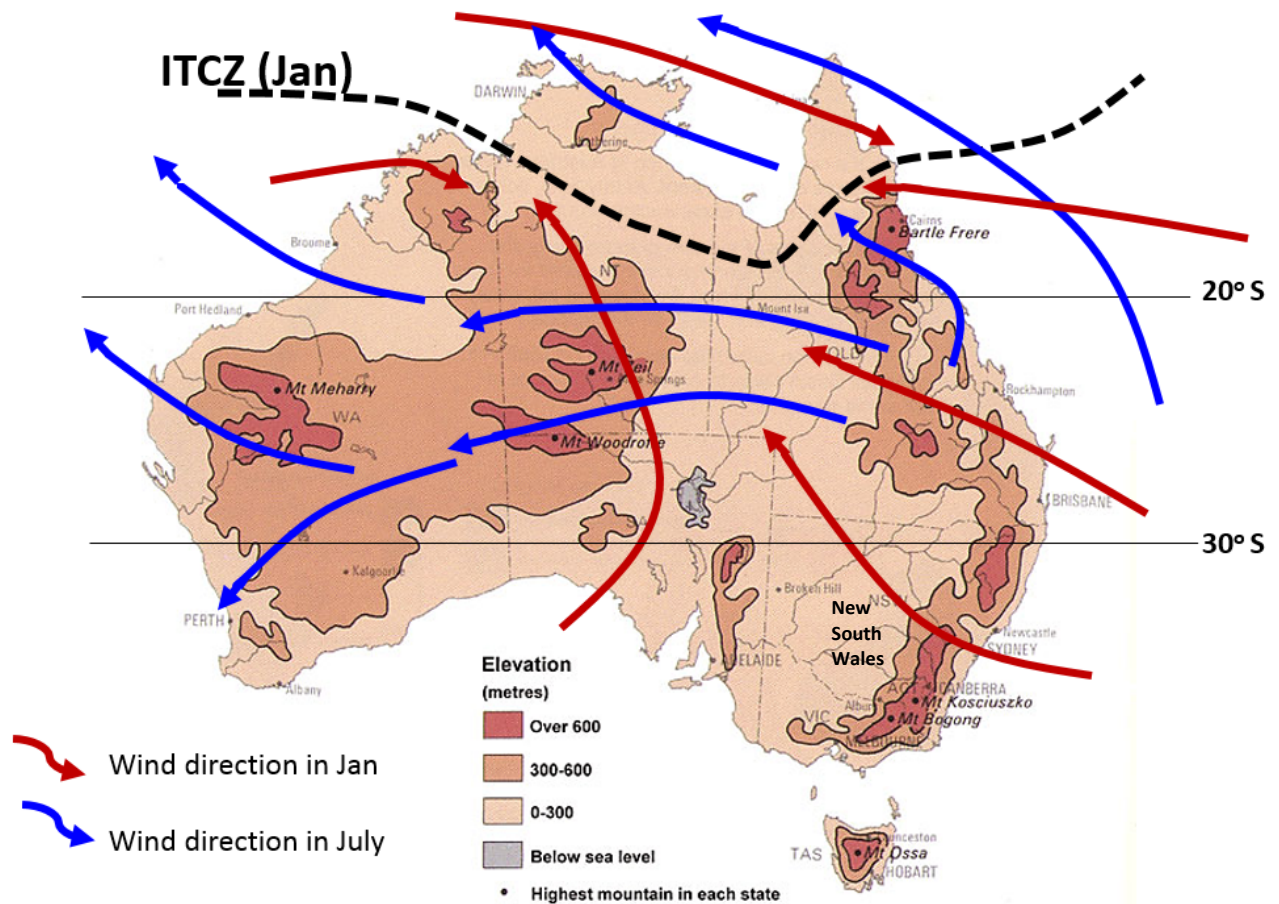
Rainfall distribution of Australia, and climographs of three cities in tropical Australia



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Resource 5 for Question 2

Relief of Australia and wind directions



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Resource 6 for Question 2
Erosion in New South Wales, Australia



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Resource 7 for Question 2
Sections of two rivers in Australia

Vule River, Western Australia

Refer to map in Resource 4 for location of Vule River



Burdekin River, Queensland

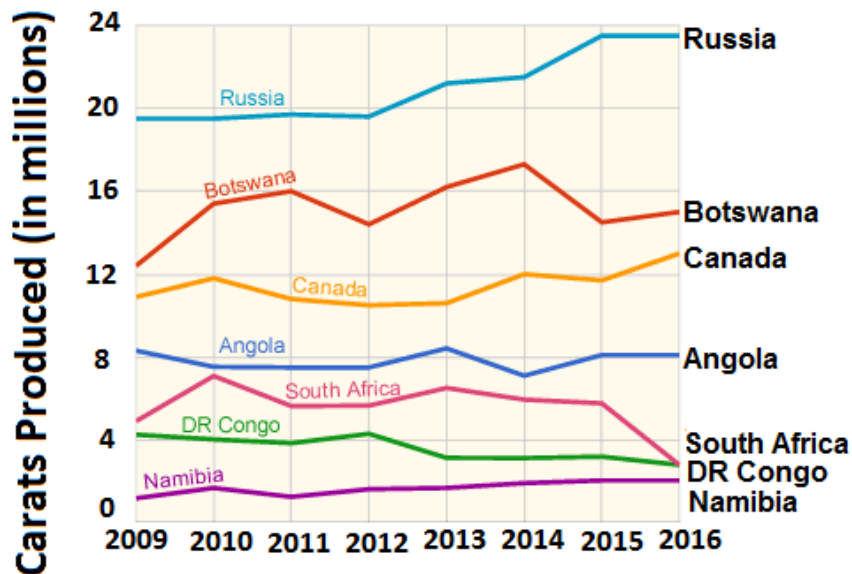
Refer to map in Resource 4 for location of Burdekin River



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Resource 8 for Question 3

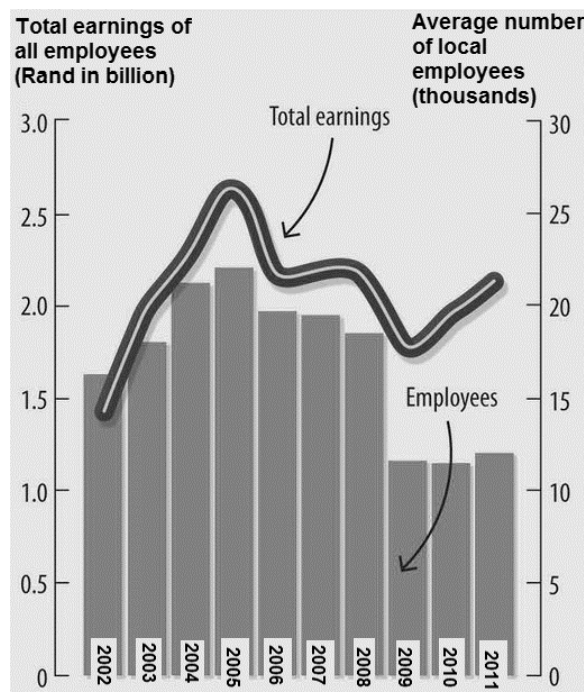
Top diamond producing countries from 2009 – 2016



Source: <http://geology.com/articles/gem-diamond-map/diamond-production-graph.gif>

Resource 9 for Question 3

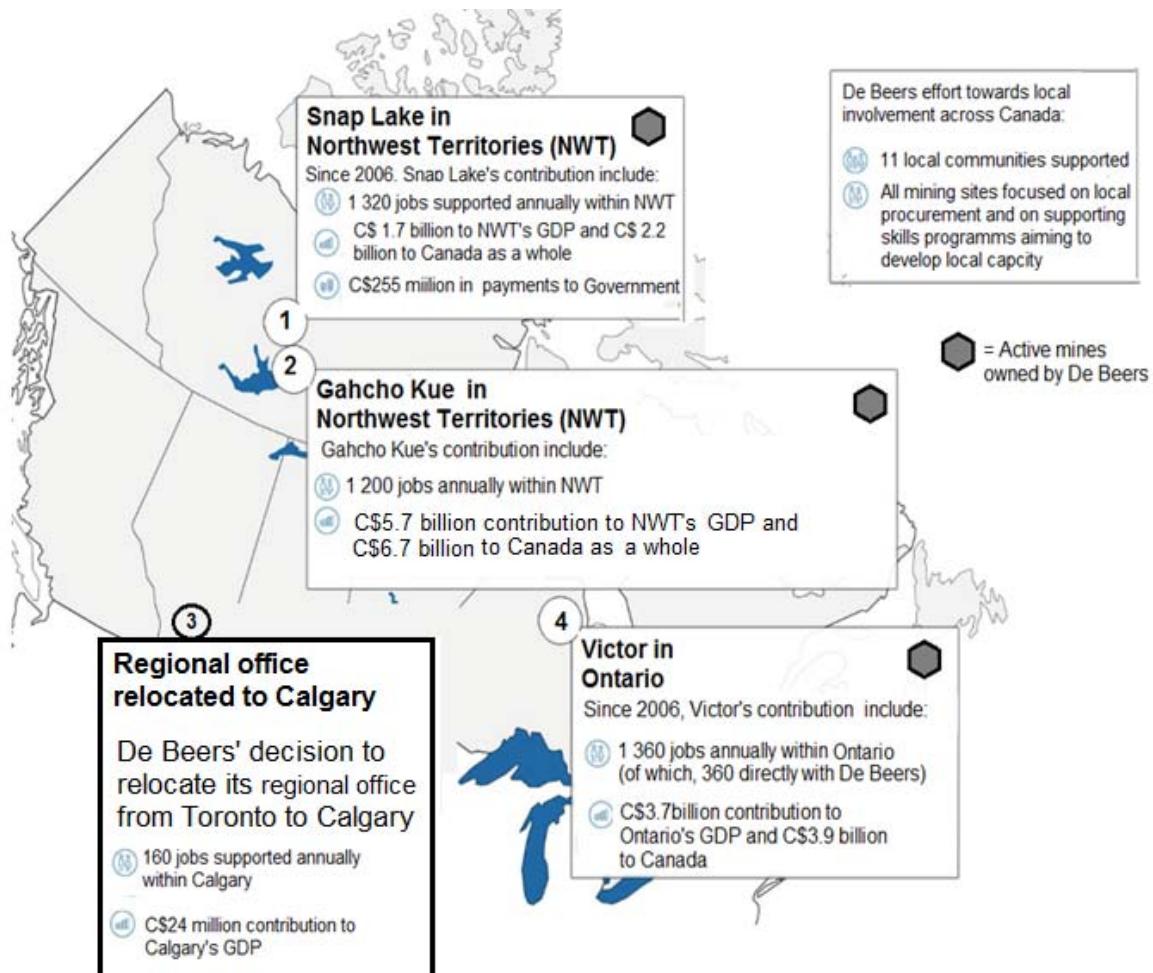
Employment and earnings of employees from South Africa's diamond mines



Source: <https://cdn.mg.co.za/crop/content/images/2013/06/13/Graphic-Diamonds.jpg/1280x720/>

Resource 10 for Question 3

De Beers' impact on Canada



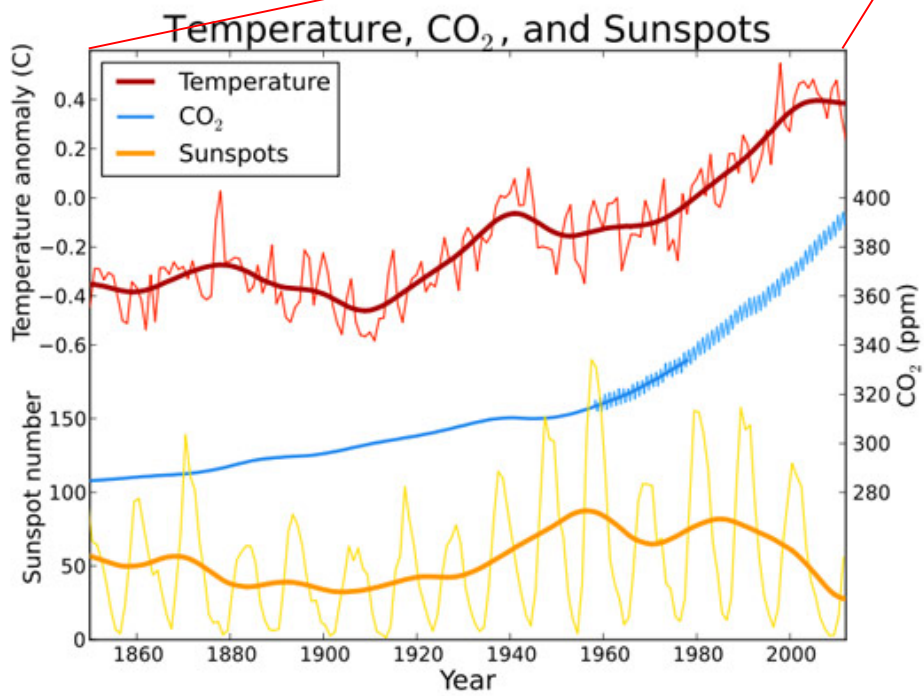
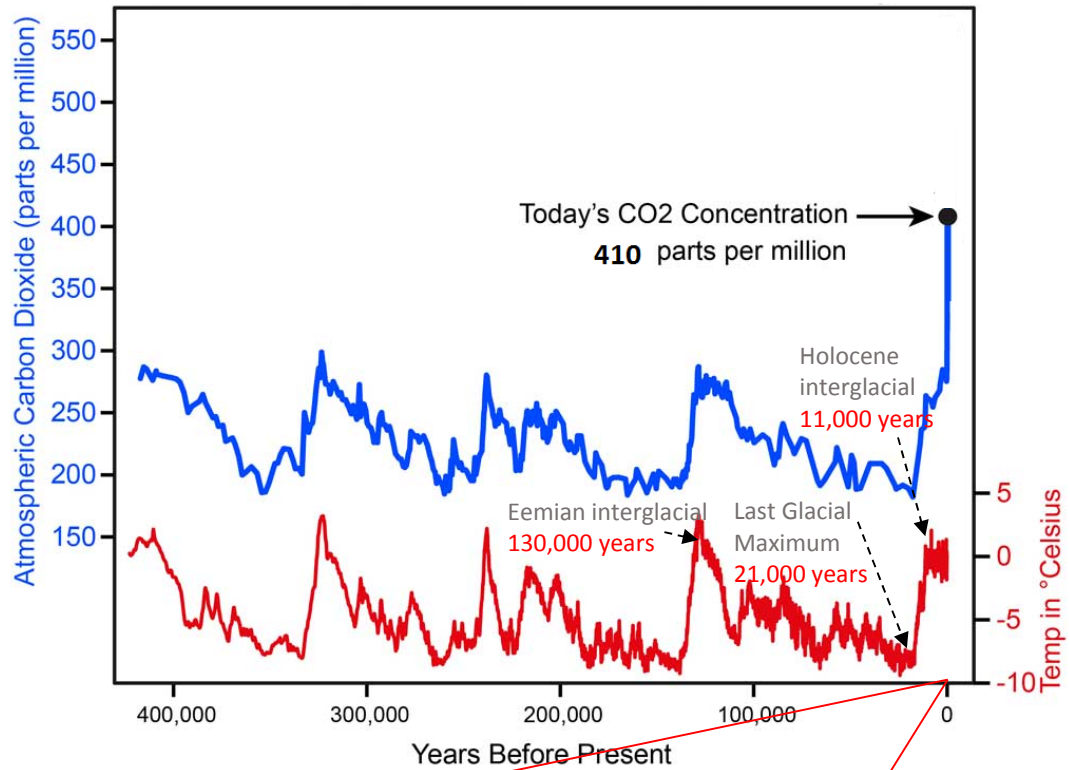
Note: De Beers is a transnational corporation that specializes in diamond exploration, diamond mining, diamond retail, diamond trading and industrial diamond manufacturing sectors. Its main corporate headquarters in London, UK.

Source: <http://www.mining.com/worlds-largest-newest-diamond-mine-to-inject-5-2bn-into-canadas-economy/>

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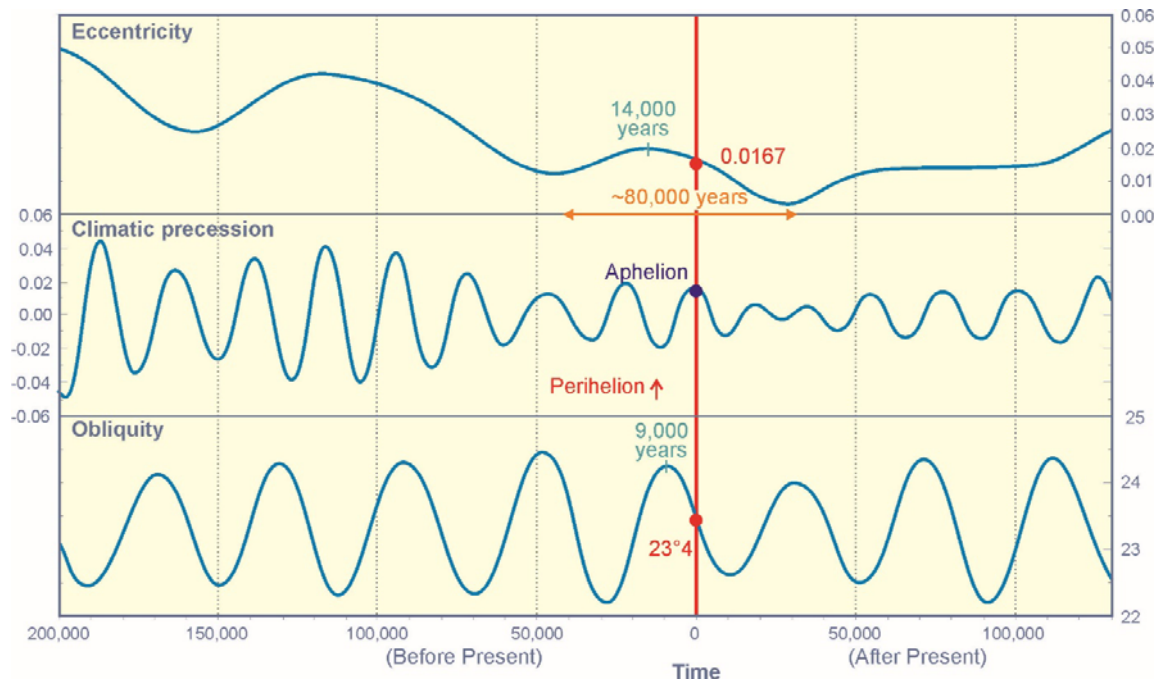
Resource 11 for Question 4

CO₂ concentration and temperature anomaly from Antarctic Ice cores over the past 400,000 years

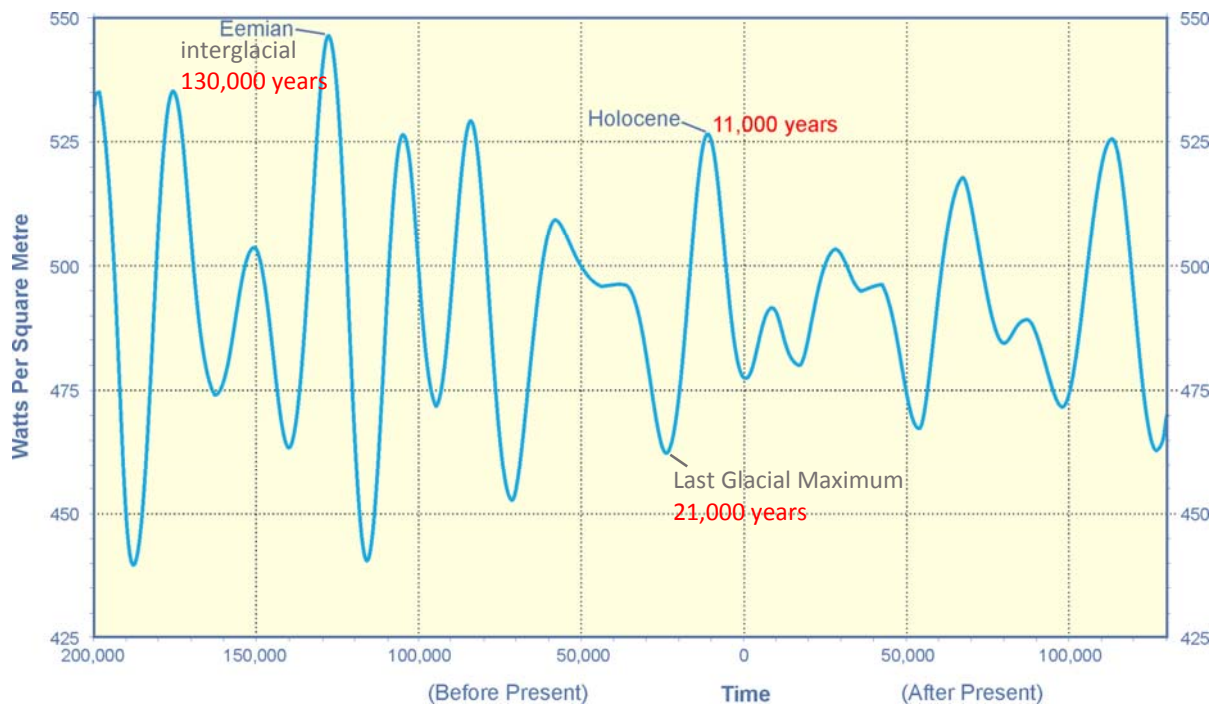


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Resource 12 for Question 4
Earth orbital variations over time



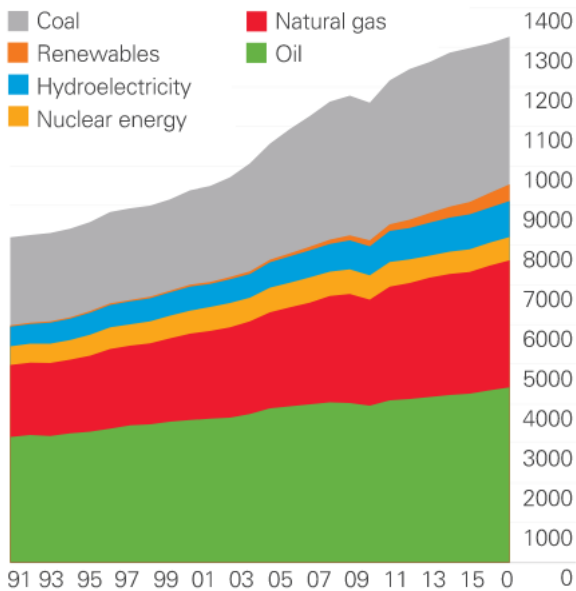
Northern summer insolation (watts per square metre)



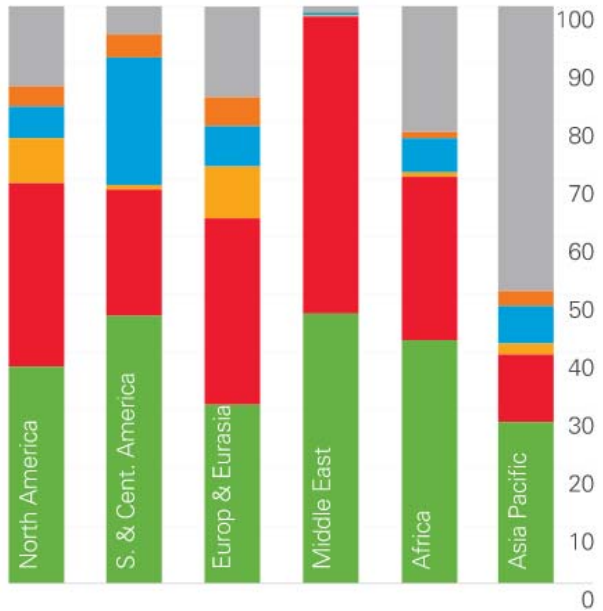
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Resource 13 for Question 4

Primary energy world consumption
(million tonnes oil equivalent)



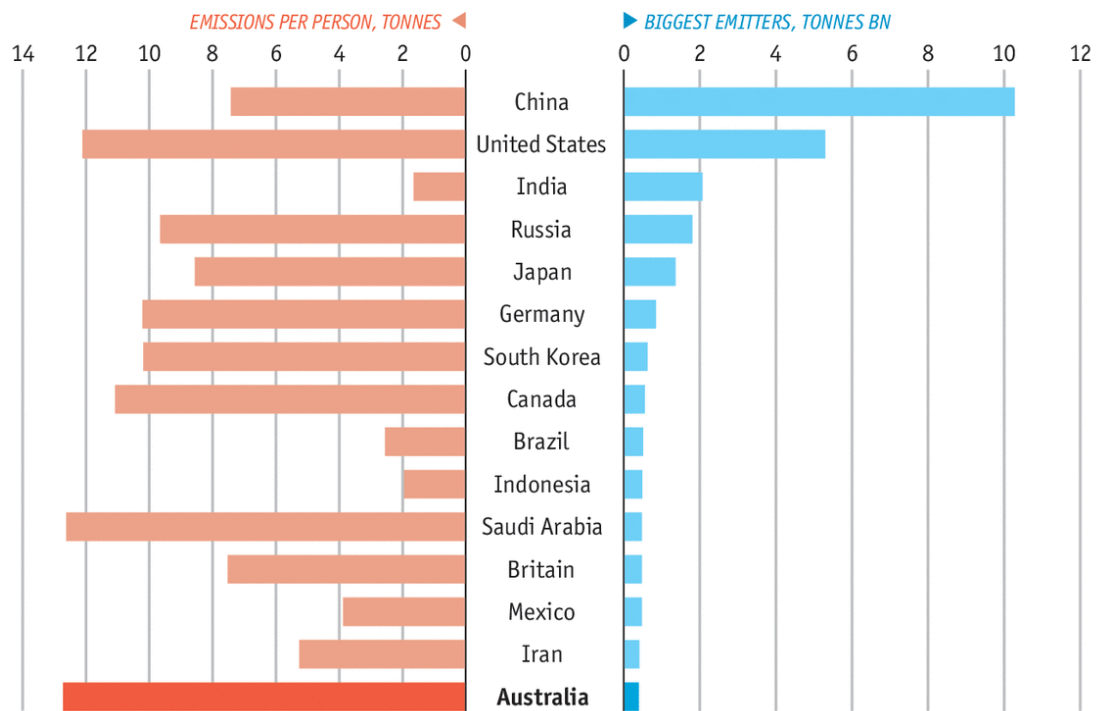
Primary energy regional consumption by
fuel 2016 (percentage)



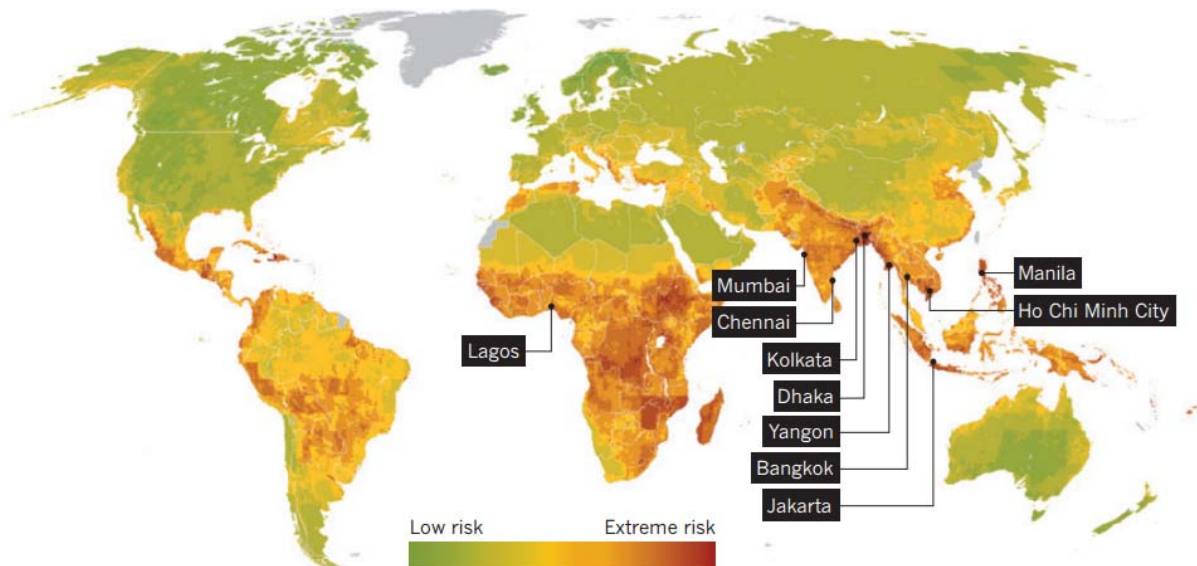
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Resource 14 for Question 4

Top CO₂ emitters and their per capita emission (2013)



Climate Change Vulnerability Index 2013, and cities most at risk from rising sea levels



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