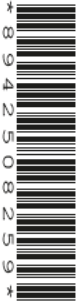# OCR

Oxford Cambridge and RSA

Friday 27 May 2022 – Morning

AS Level Geography

H081/02 Geographical debates
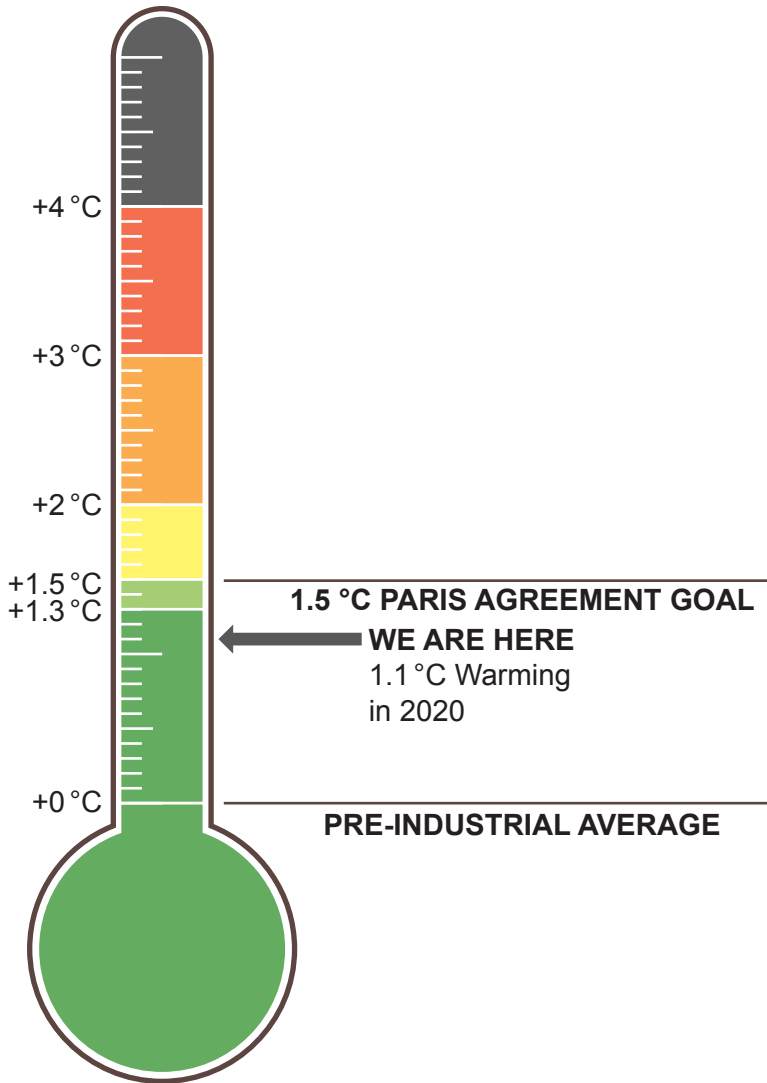
Resource Booklet

Time allowed: 1 hour 30 minutes

INSTRUCTIONS
- Do **not** send this Resource Booklet for marking. Keep it in the centre or recycle it.

INFORMATION
- This document has **12** pages.

Fig. 1 – *Projected global temperature increase by 2100

Range of projected temperature increases	Pledges & Targets	Current Policies	Optimistic Targets
Maximum	+3.3 °C	+3.9 °C	+2.7 °C
Median	**+2.6 °C**	**+2.9 °C**	**+2.1 °C**
Minimum	+2.1 °C	+2.1 °C	+1.7 °C

*Projected temperatures are maximum, median and minimum outcomes of climate modelling carried out by the Intergovernmental Panel on Climate Change.

Figures accurate as of December 2020.

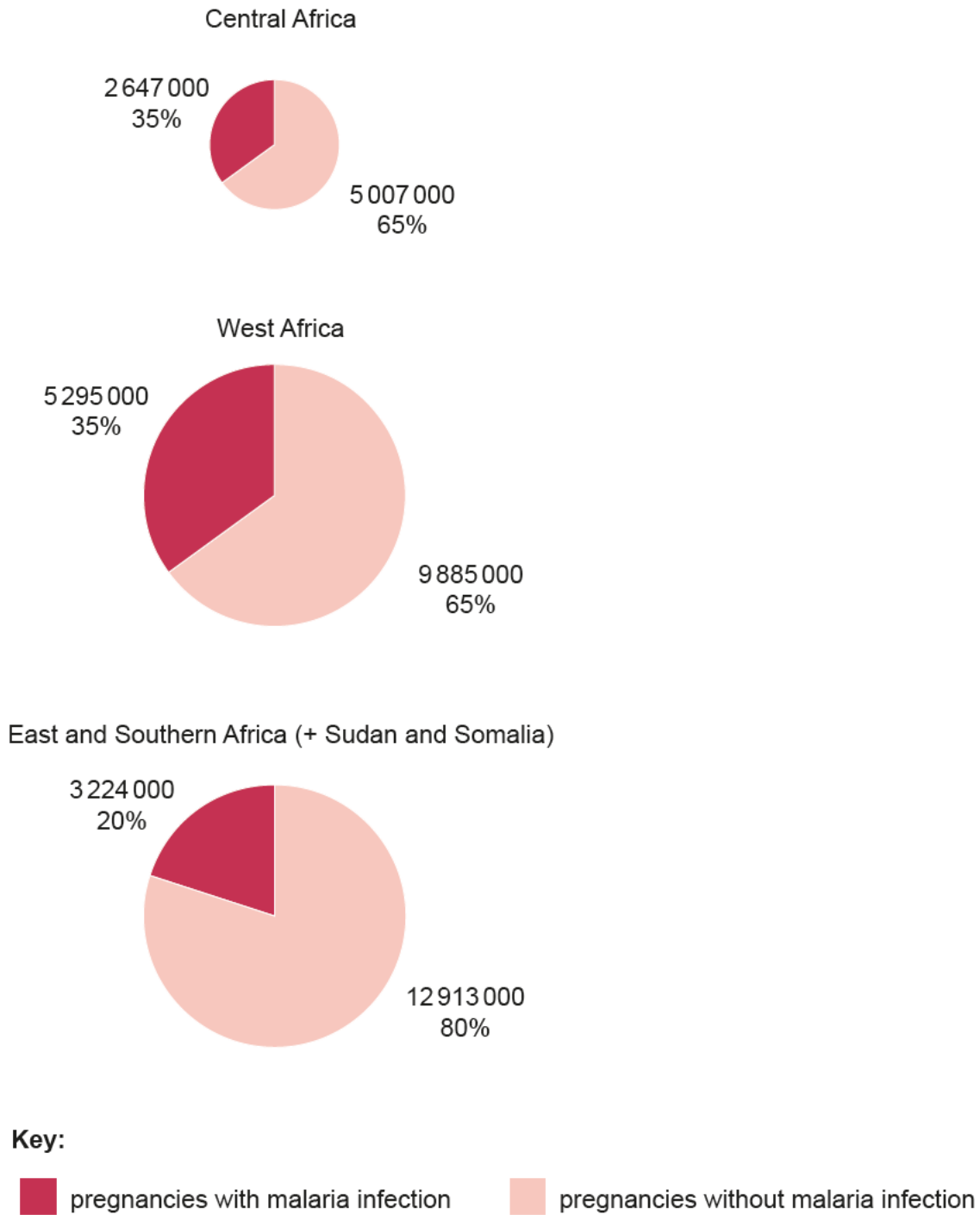**Fig. 2 – Estimated prevalence of malaria infection during pregnancy in sub-Saharan Africa, 2018**

Central Africa

2 647 000
35%

5 007 000
65%

West Africa

5 295 000
35%

9 885 000
65%

East and Southern Africa (+ Sudan and Somalia)

3 224 000
20%

12 913 000
80%

Key:

pregnancies with malaria infection   pregnancies without malaria infection

H081/02/RB Jun22   **Turn over**

Fig. 3 – Extent of Arctic sea ice in 1980 and 2019

Key:

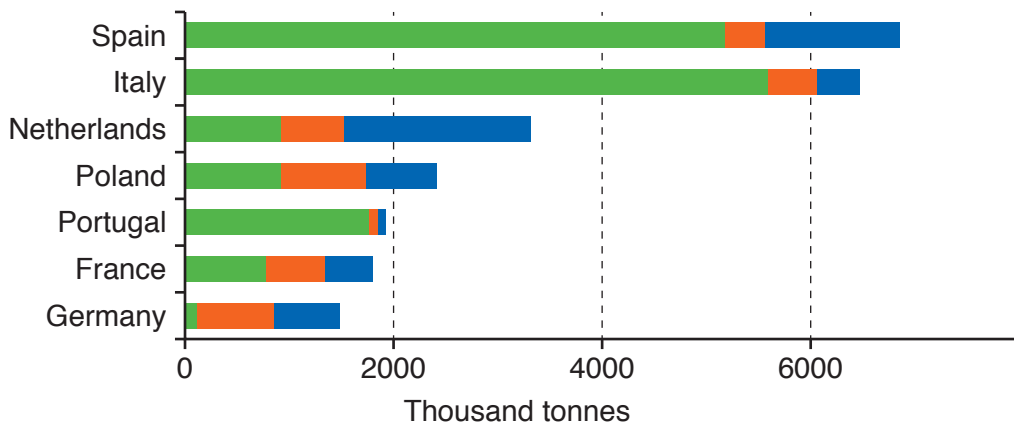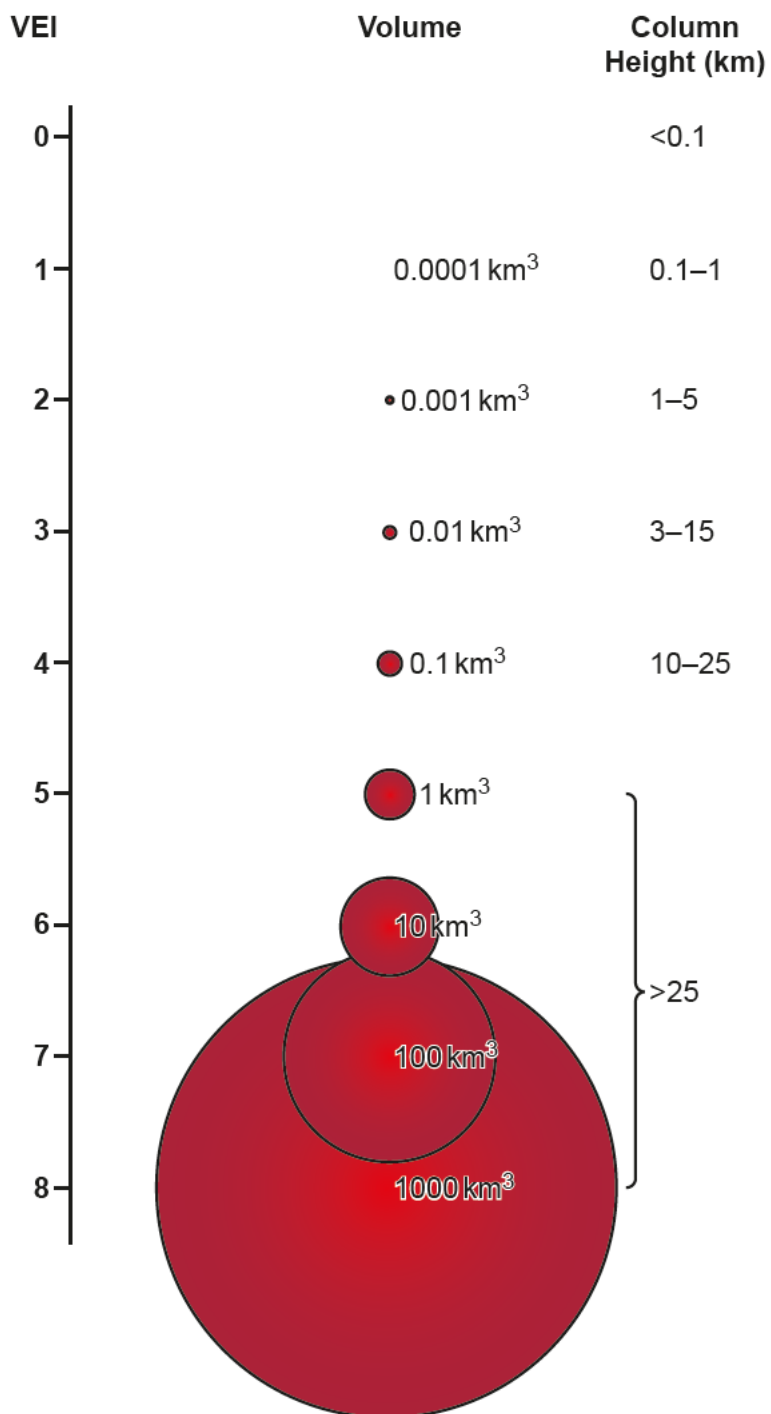Extent of Arctic Sea Ice (September minimum):

1980

2019

Fig. 4 – Production of three types of vegetable in selected European countries, 2017

Key:
■ tomatoes ■ carrots ■ onions

Fig. 5 – The Volcanic Explosive Index (VEI)

VEI	Volume	Column Height (km)
0		<0.1
1	$0.0001\,km^3$	0.1–1
2	$0.001\,km^3$	1–5
3	$0.01\,km^3$	3–15
4	$0.1\,km^3$	10–25
5	$1\,km^3$	
6	$10\,km^3$	>25
7	$100\,km^3$	
8	$1000\,km^3$	

Volcanic Explosive Index: The Volcanic Explosive Index (VEI) is a relative measure of the explosiveness of volcanic eruptions. Volume refers to the amount of tephra.

Fig. 6 – Atmospheric carbon dioxide concentrations, January 2005 to November 2019
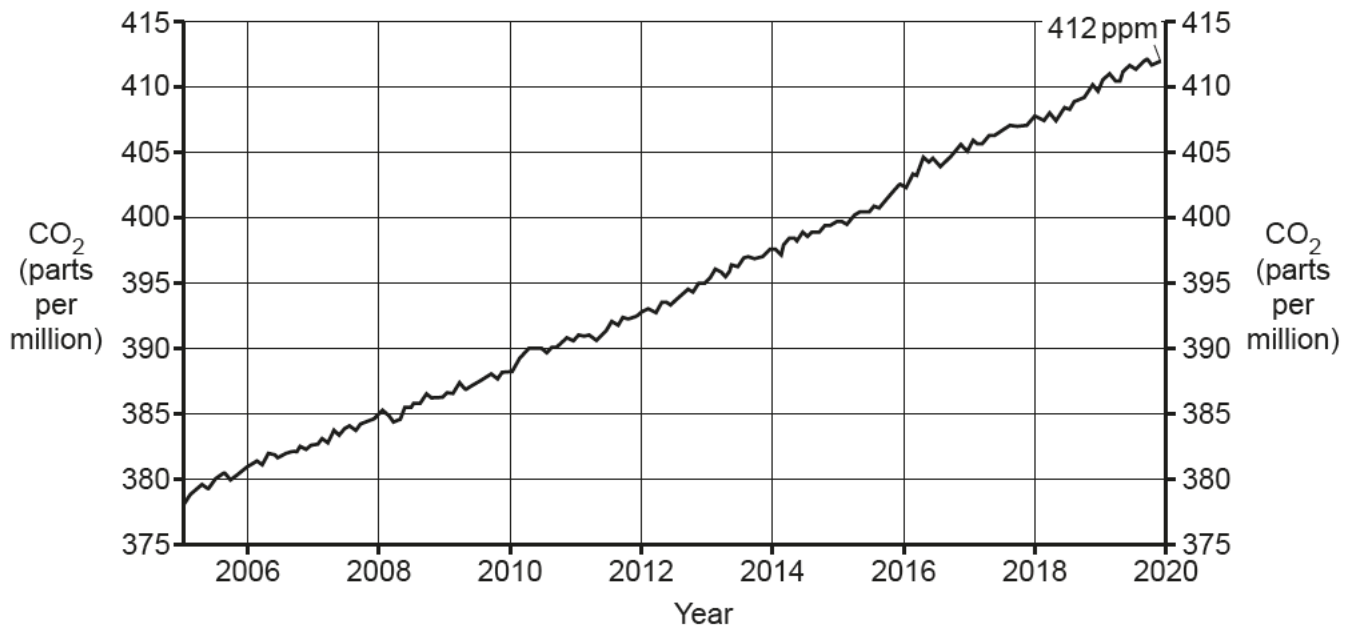
Direct monthly measurements of carbon dioxide by the NOAA from January 2005 to November 2019. The average seasonal cycle has been removed.

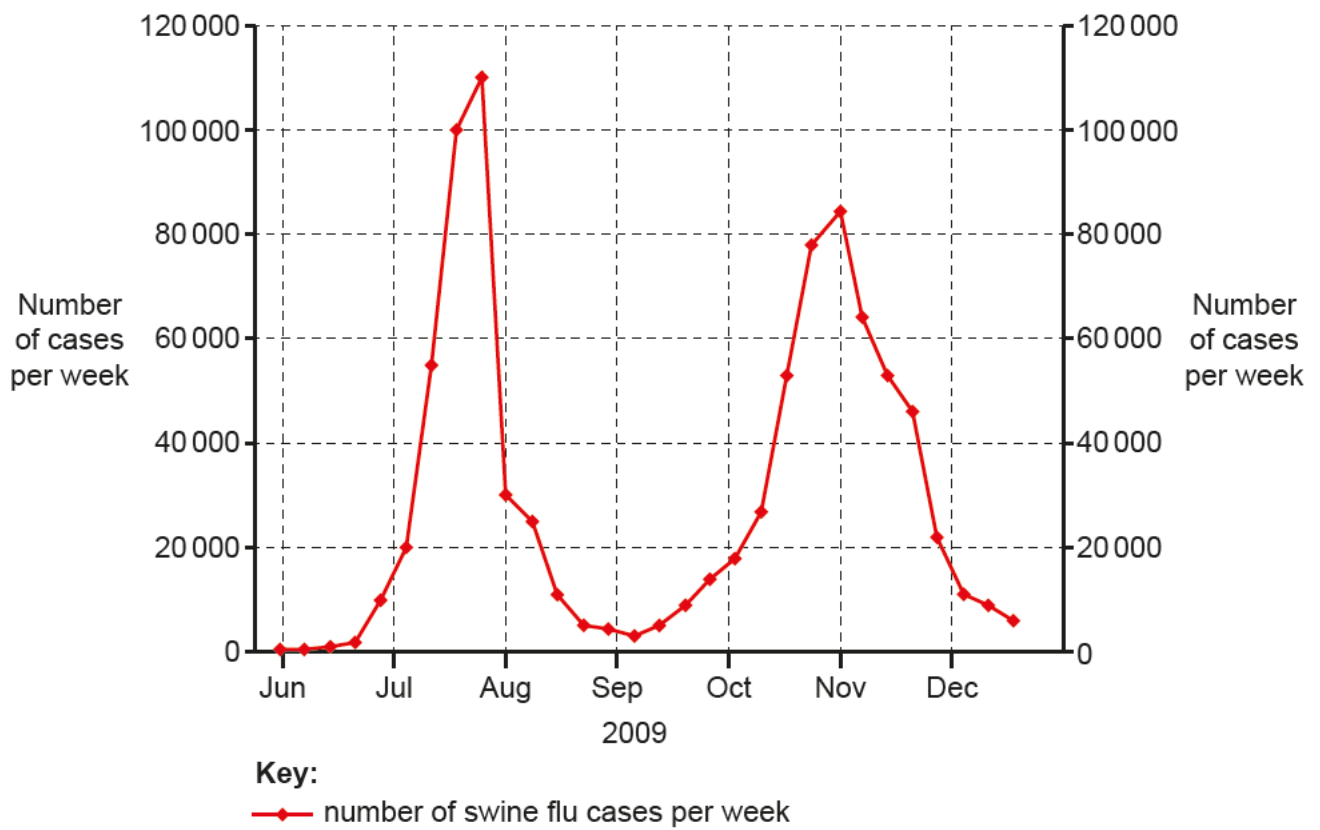**Fig. 7 – Number of swine flu cases per week in the UK epidemic, June to December 2009**

Fig. 8 – Latitudinal variation in average surface temperatures of the world's oceans

Link to material: http://cosscience1.pbworks.com/w/page/8286076/Lesson%20604%20The%20Composition%20of%20SeawaterItem removed due to third party copyright restrictions.

Fig. 9 – Global number of undernourished people, 1991–2017
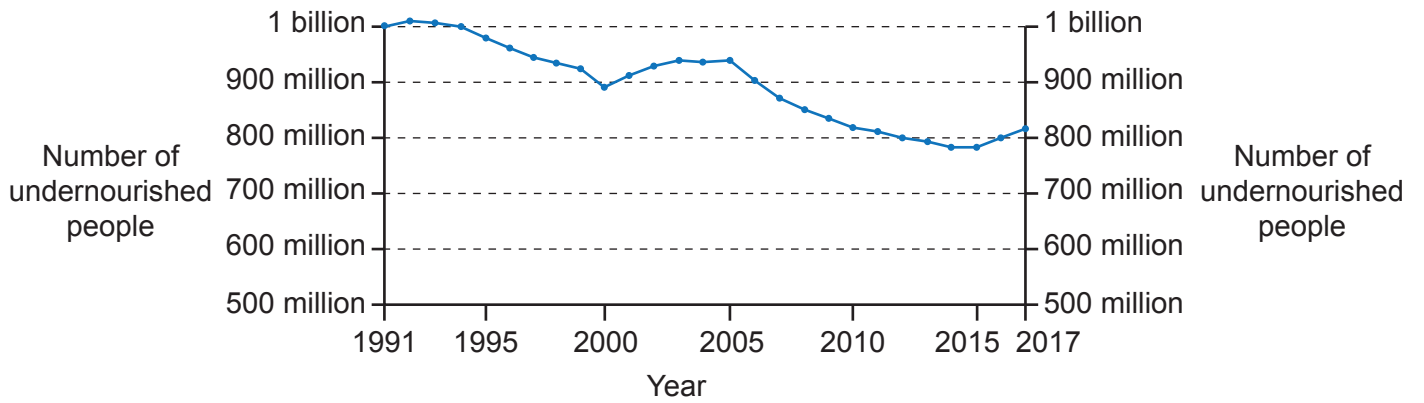
Fig. 10 – Seismograph from an earthquake event

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