



Oxford Cambridge and RSA

Wednesday 21 May 2025 – 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.

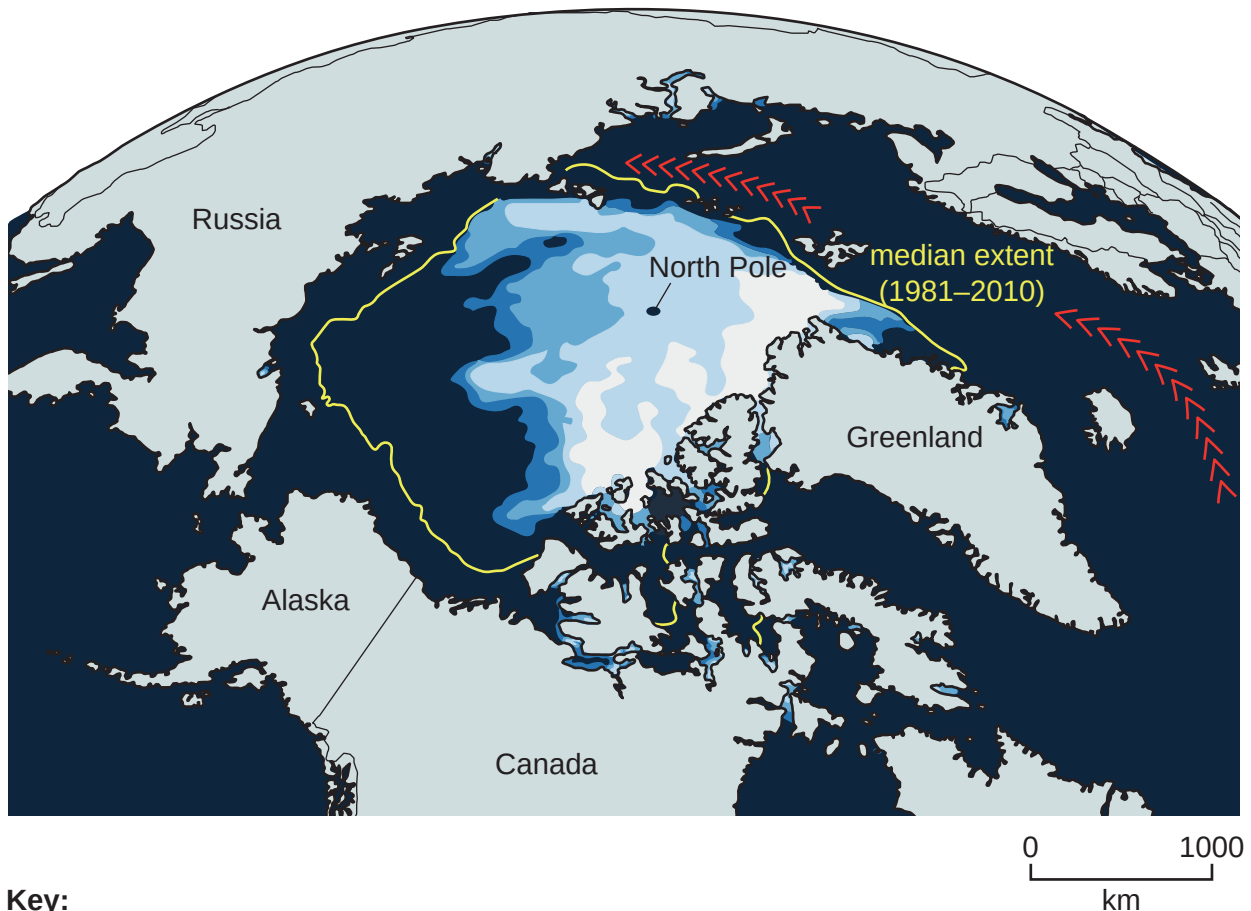
INFORMATION

- This Insert contains **Fig. 1–Fig. 10**.
- This document has **12** pages.

Section A

Climate Change

Fig. 1 – Decreasing extent of Arctic sea ice



Key:



Extent of Arctic sea ice – summer minimum 2023



Extent of Arctic sea ice – summer minimum median 1981–2010

Sea ice concentration (per cent)

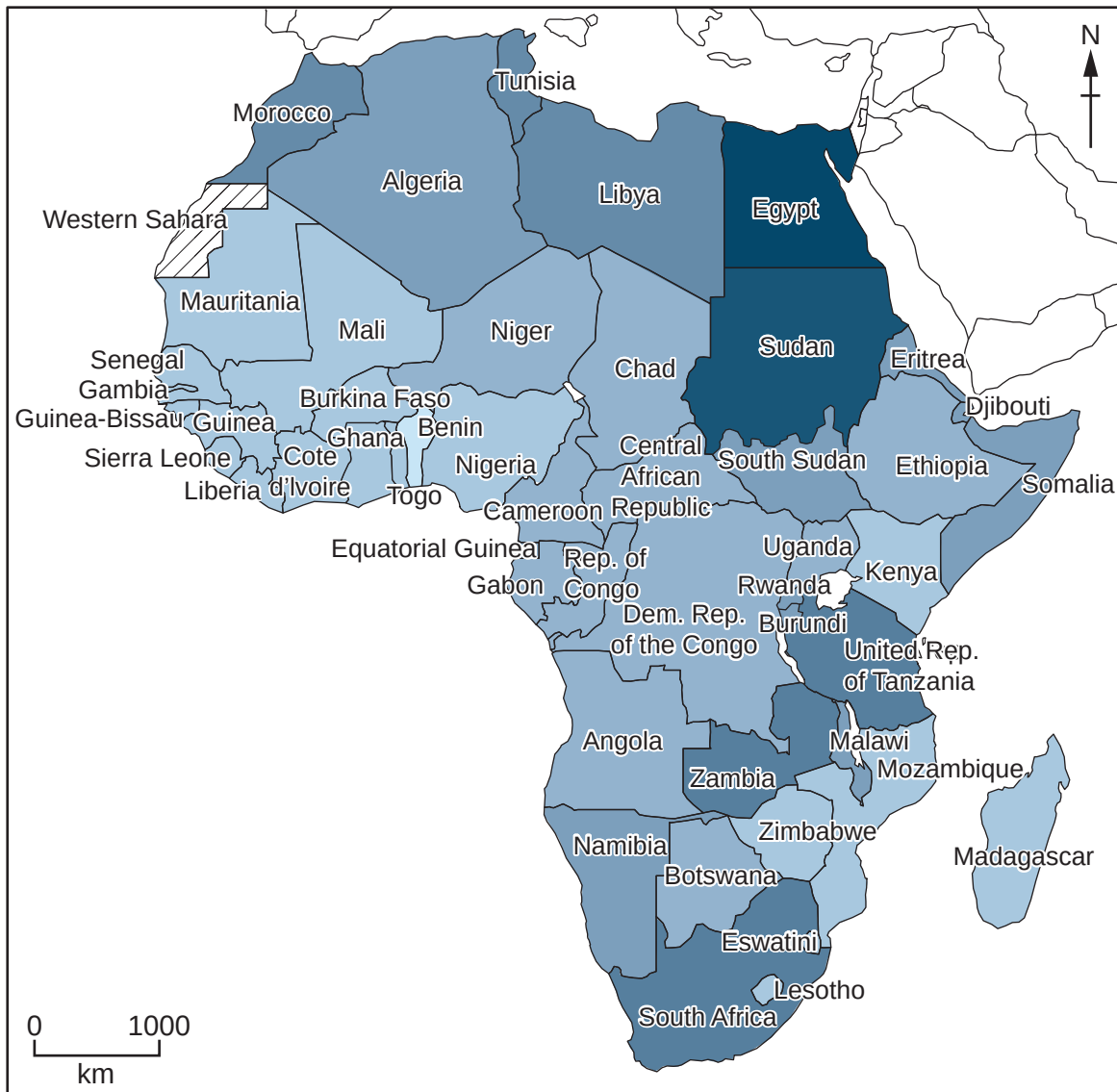


Ice free 15% 50% 80% 100%

>>>> Warm ocean current / North Atlantic Drift

Disease Dilemmas

Fig. 2 – Diabetes prevalence among adults, ages 20–79, in Africa, 2021



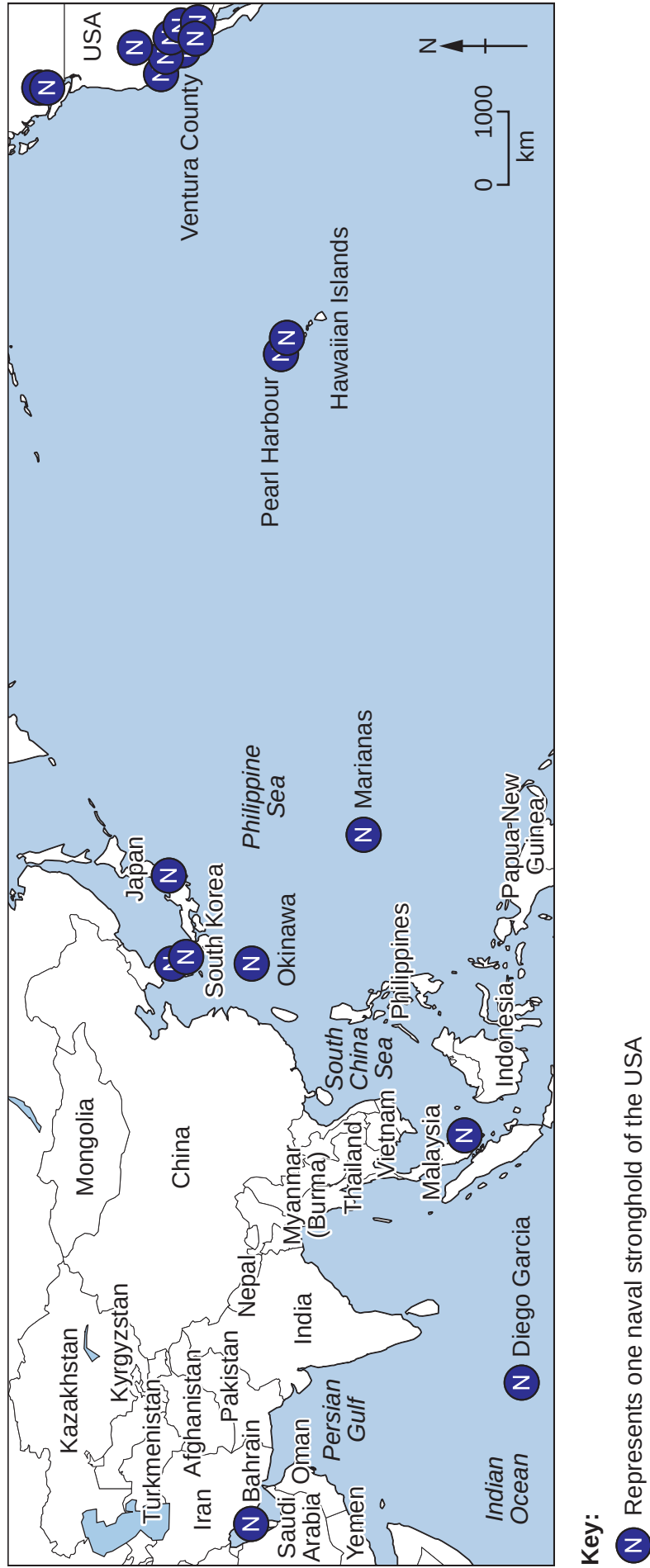
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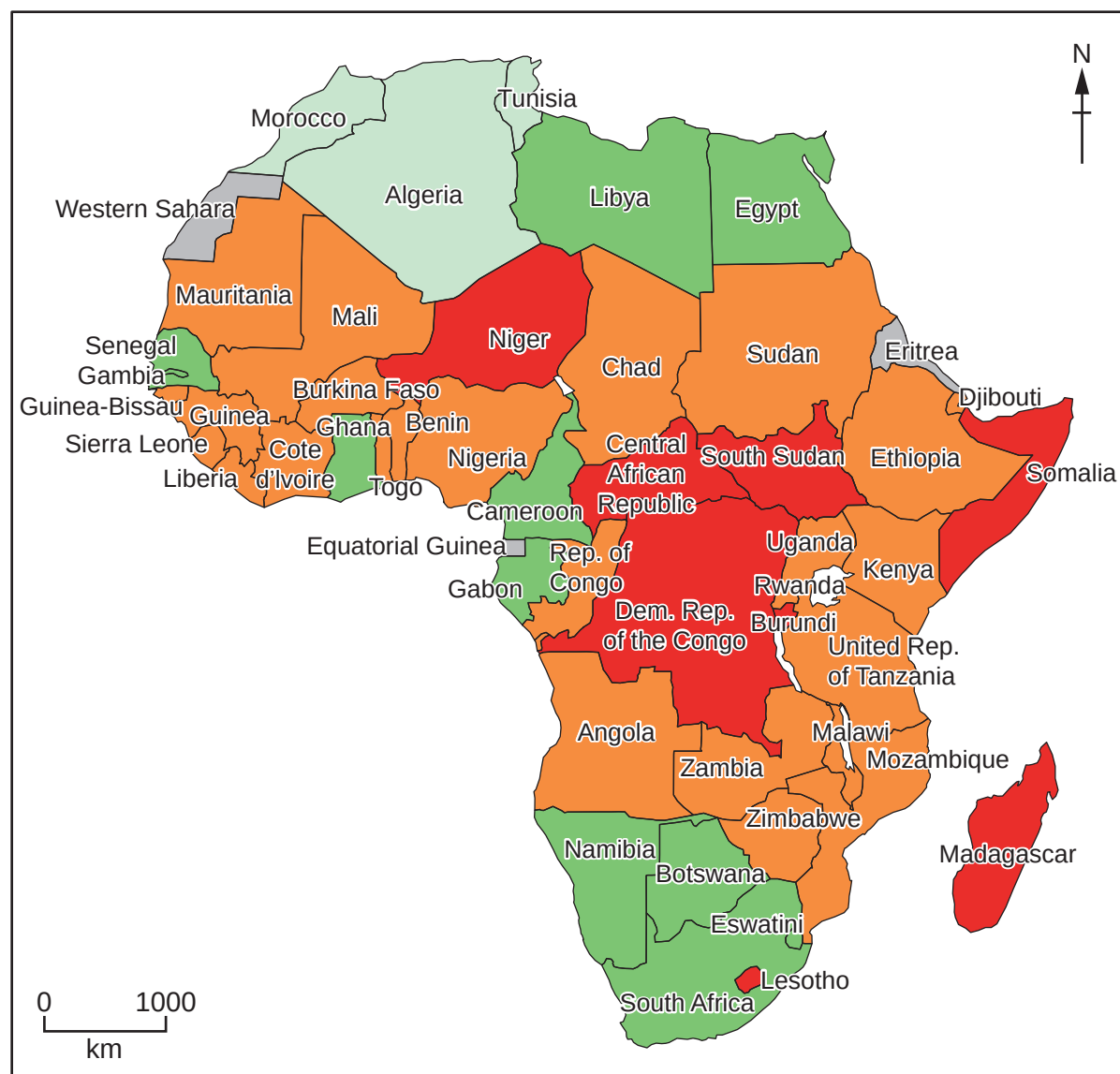
Exploring Oceans

Fig. 3 – USA naval strongholds in the Indo-Pacific region, 2023



Future of Food

Fig. 4 – Global Hunger Index for countries of Africa, 2023



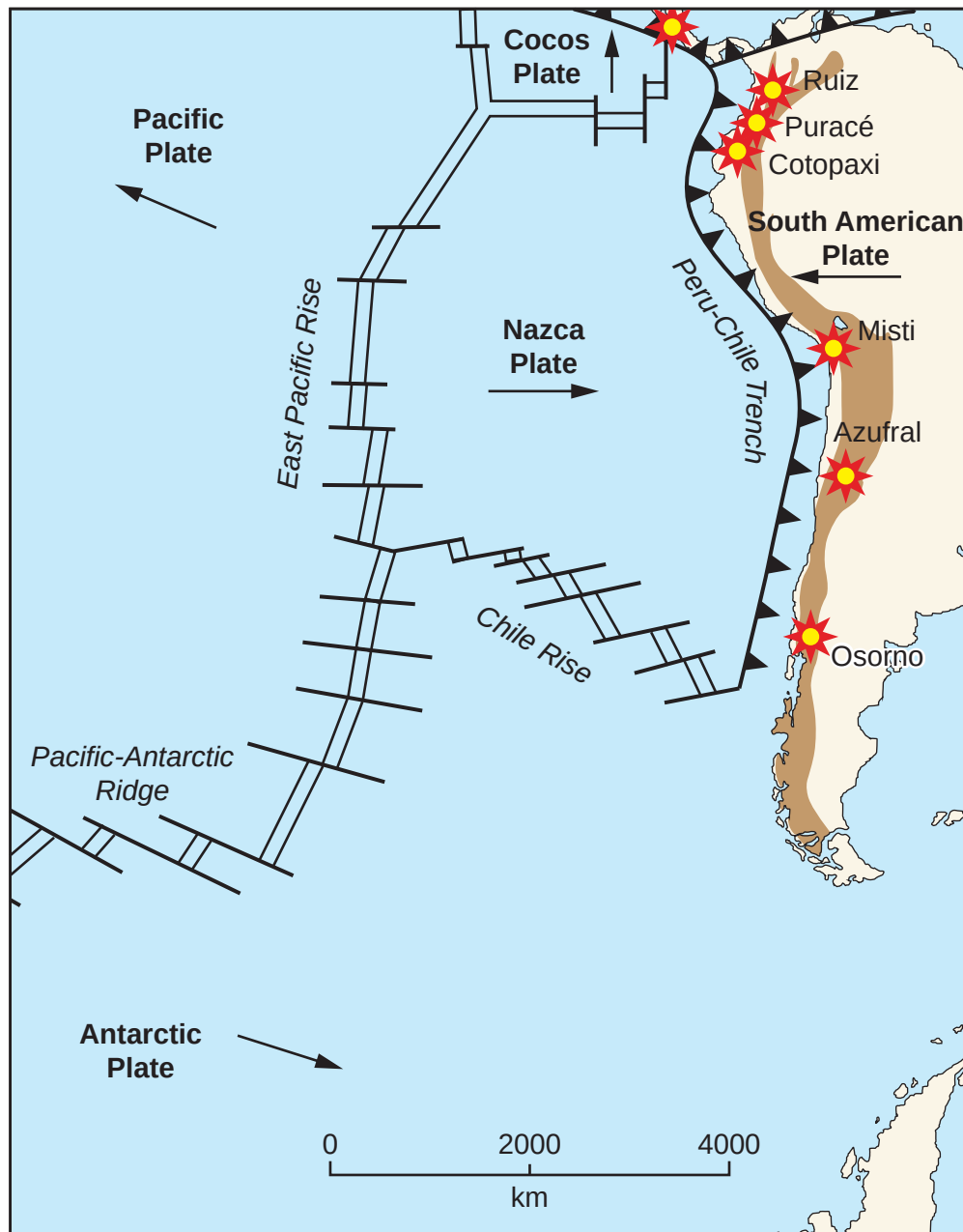
Key:

The Global Hunger Index ranks countries on a 100 point scale – zero the best score / no hunger, 100 the worst.

- Extremely alarming ≥ 50.0
- Alarming 35.0–49.9
- Serious 20.0–34.9
- Moderate 10.0–19.9
- Low ≤ 9.9
- Not included or not designated

Hazardous Earth

Fig. 5 – Plates and plate boundaries in the southeast Pacific



Key:



Divergent plate boundaries



Convergent plate boundaries



Major active volcanoes



Andes mountain range

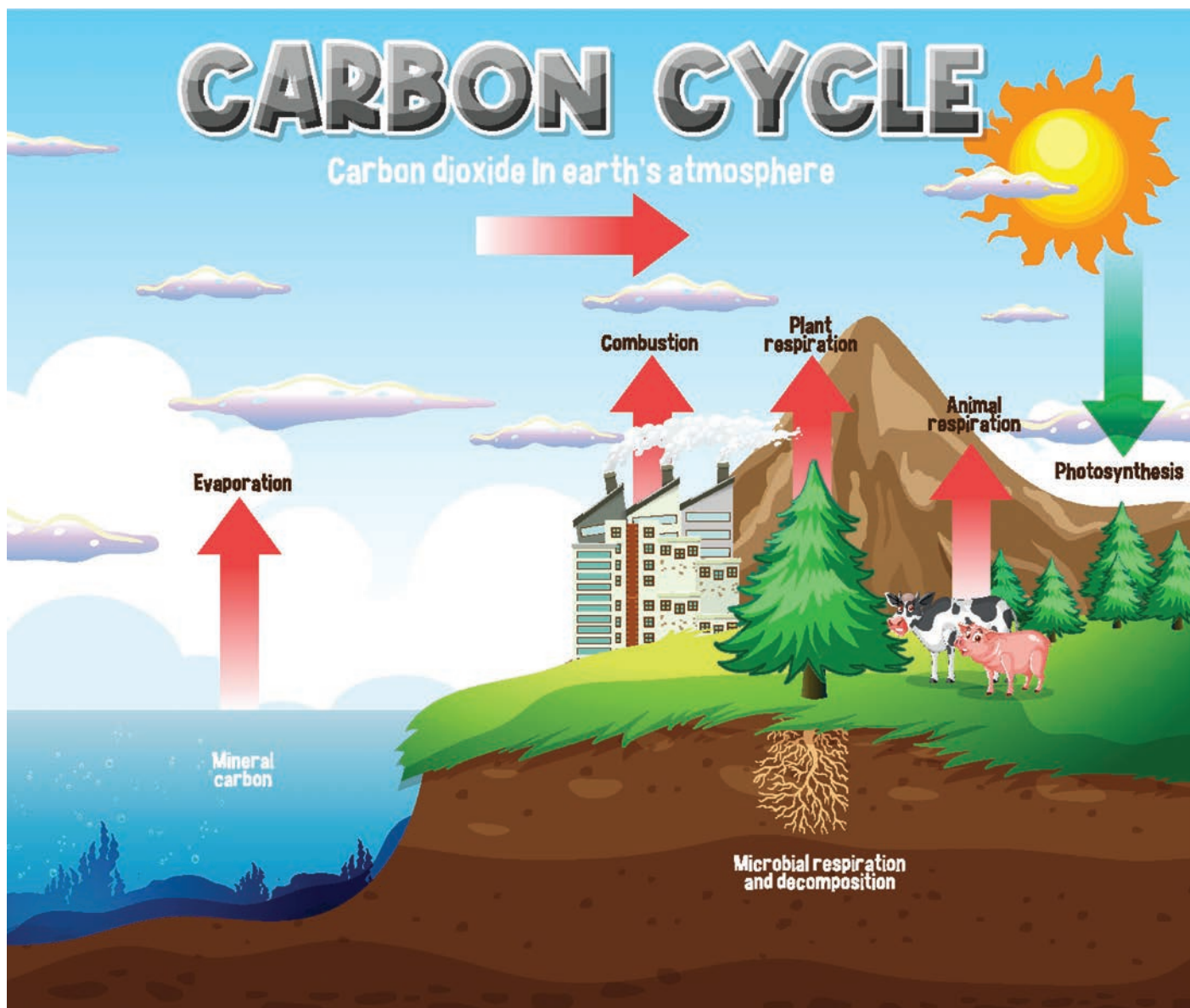


Direction of plate movement

Section B

Climate Change

Fig. 6 – The Carbon Cycle



Disease Dilemmas

Fig. 7 – Global distribution of tuberculosis, 2021

World Health Organization Region	Country	Tuberculosis incidence / 100 000 population, 2021
Americas	Canada	5.3
	Brazil	48.0
	USA	2.6
European	Iceland	2.9
	Italy	4.9
	UK	6.3
African	Central African Republic	540.0
	Gabon	513.0
	South Sudan	227.0
Eastern Mediterranean	Afghanistan	189.0
	Egypt	10.0
	Yemen	48.0
South-East Asia	Bangladesh	221.0
	India	210.0
	Indonesia	354.0
Western Pacific	Australia	6.5
	China	55.0
	Japan	11.0

Exploring Oceans

Fig. 8 – Deepwater oil rig under construction, Ingleside Bay, Gulf of Mexico, USA



Future of Food

Fig. 9 – Global crop and livestock production loss by disaster type, 2008–2018

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Hazardous Earth

Fig. 10 – Effects of the tsunami that devastated northeast Japan in 2011



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