

**MMT**

**Beyond Geography Olympiad 5**

## Instructions

- This test consists of 40 questions. Answer all questions and read them carefully.
- This tour is included in the total 3.5 hours allotted for the competition. It is recommended that you spend no more than 1 hour on this tour.
- Each question has 4 answer options. Only one answer is correct. If you select two answers to a question, neither of them will be counted.
- You can answer the questions in any order you like, but your answers must be recorded in order from question 1 to question 40, otherwise they will not be accepted.
- Each question is worth 1 point.
- This tour accounts for 30% of the competition.
- Good luck!

1

Puppet theatre on water is a Vietnamese tradition that served as entertainment for peasants during floods and the rainy season. Nowadays, shows are held in shallow pools. However, originally, performances were held in places where the local population traditionally carried out their activities. Identify the activity associated with this art:



A

River trade

B

Aquaculture

C

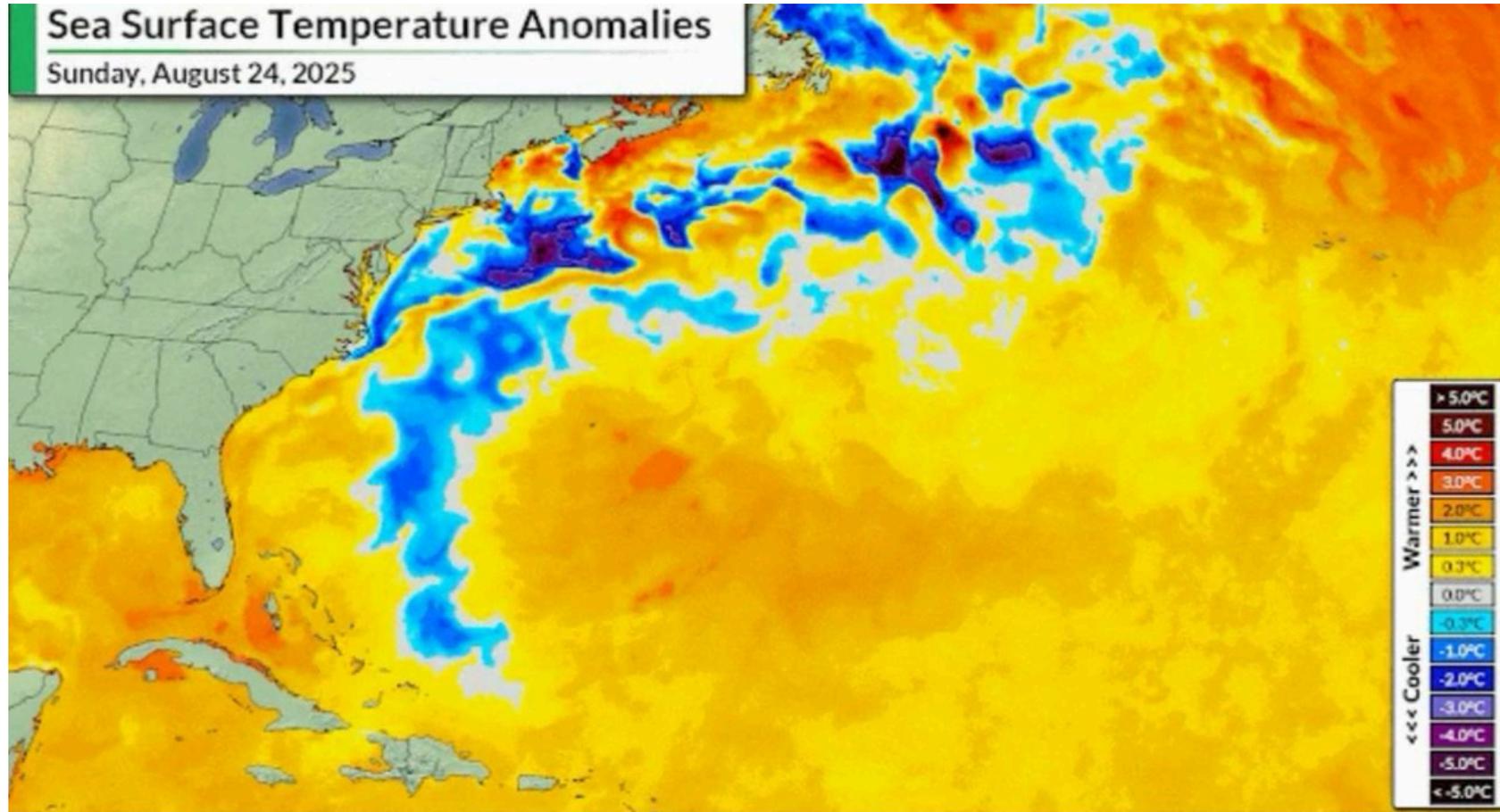
Rice cultivation

D

Rainwater harvesting

2

Define the reason for the cold anomaly on the resource below:



A

Atlantic Nina

C

Labrador current

B

Hurricane

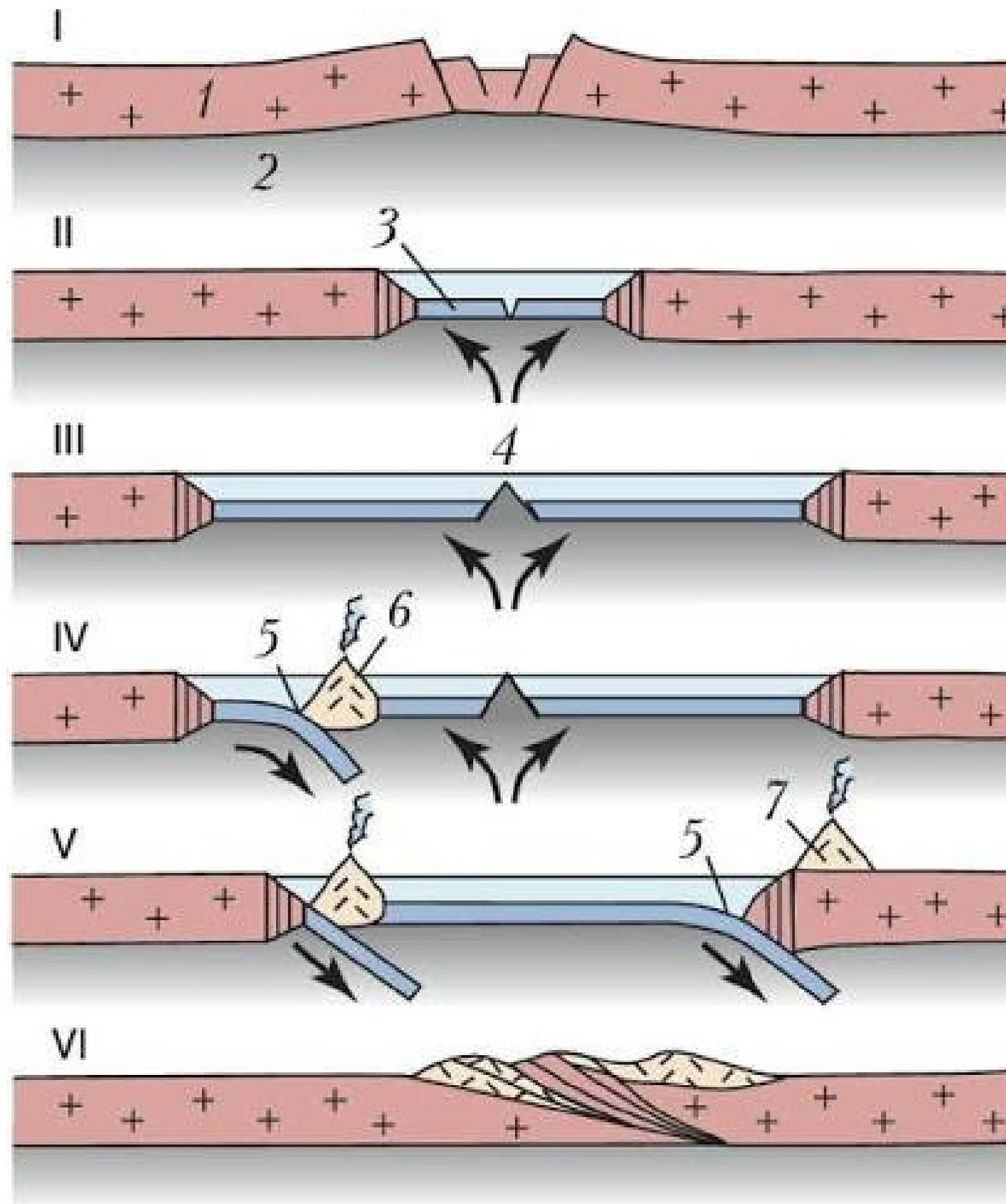
D

Azores high

3

At what stage of the Wilson cycle is the current Mediterranean Sea:

- A V
- B I
- C IV
- D III



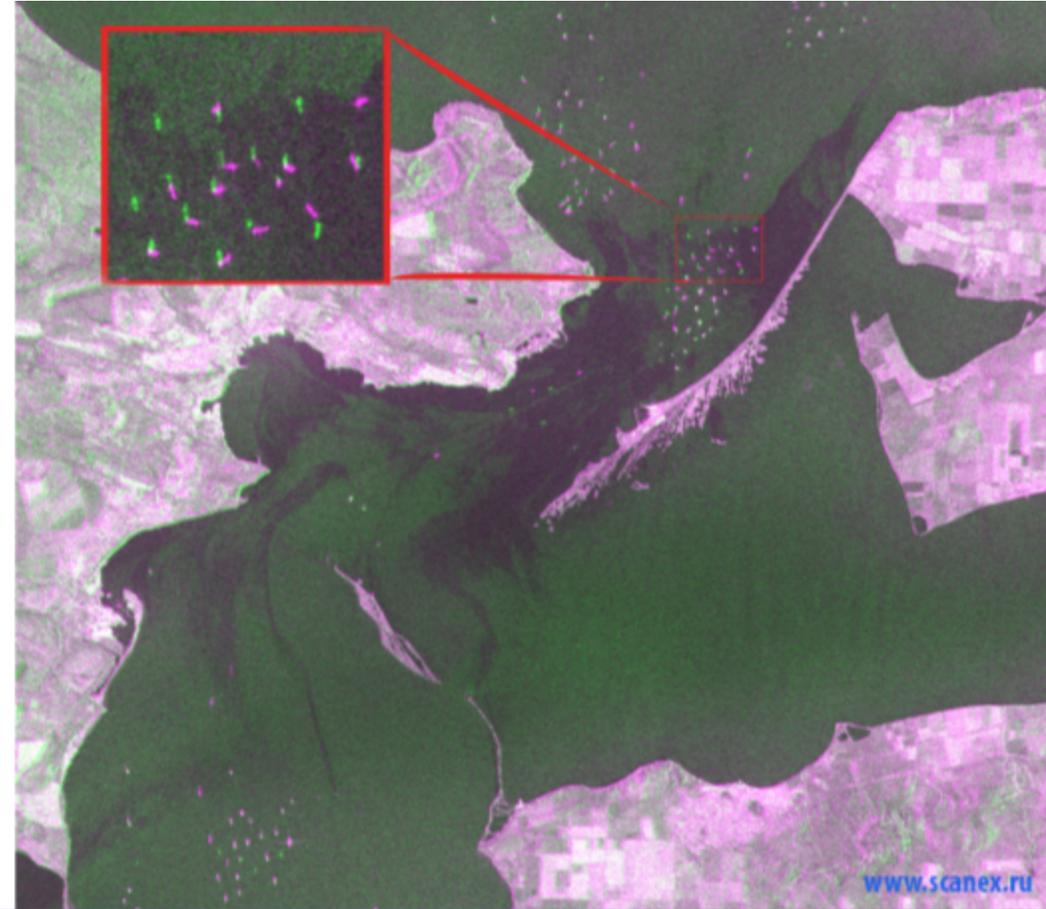
## 4 What are the dark spots shown in the satellite image?

**A** Upwelling

**B** Oil spill

**C** Nitrification

**D** Phytoplankton bloom



**5** Identify the process depicted in the diagram:



**A**

**Deindustrialisation**

**C**

**Rururbanization**

**B**

**Renovation**

**D**

**Depopulation**

6 In which country was this photo taken:



A

Ukraine

C

Belarus

B

Lithuania

D

Serbia

**7** Define the process responsible for forming this shape in blocks:



**A**

**Differential weathering**

**C**

**Selective weathering**

**B**

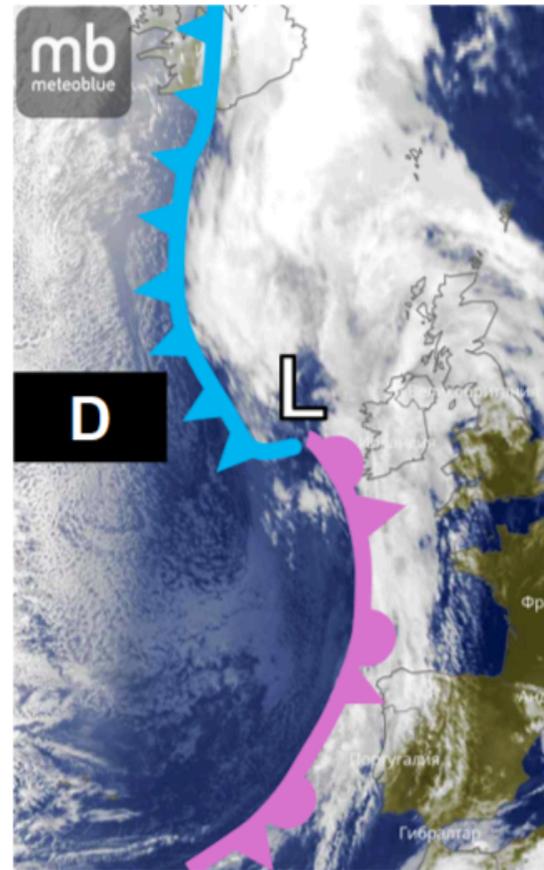
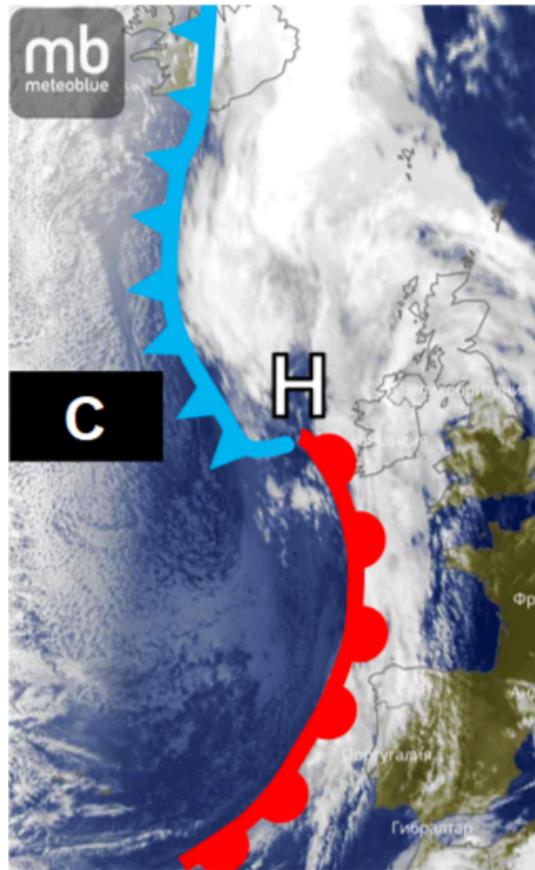
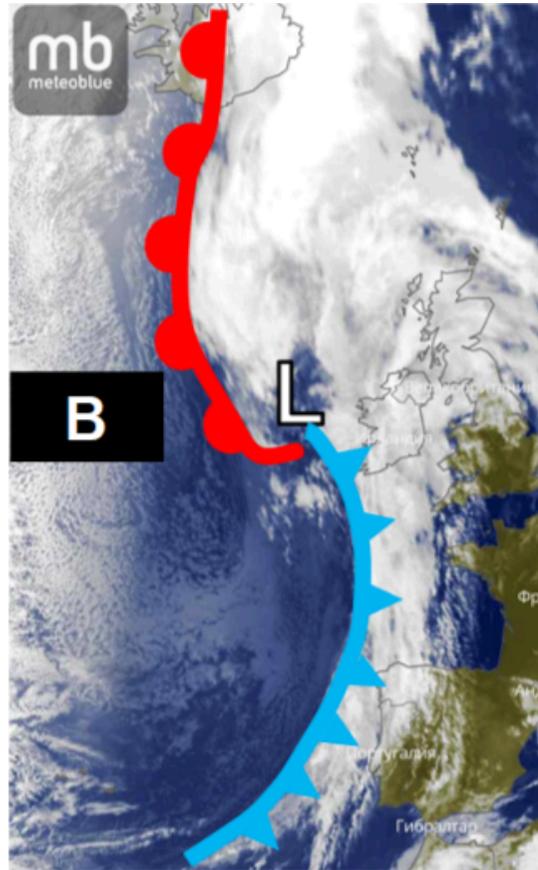
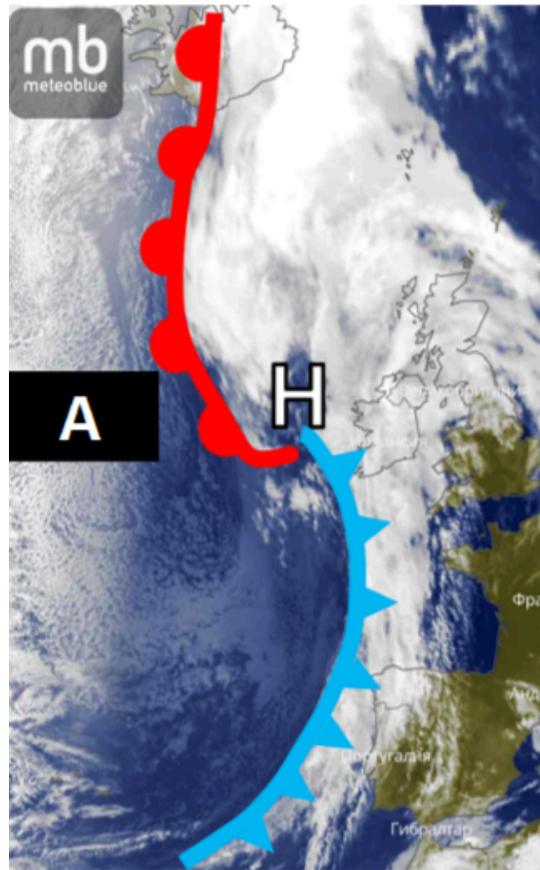
**Biological weathering**

**D**

**Spheroidal weathering**

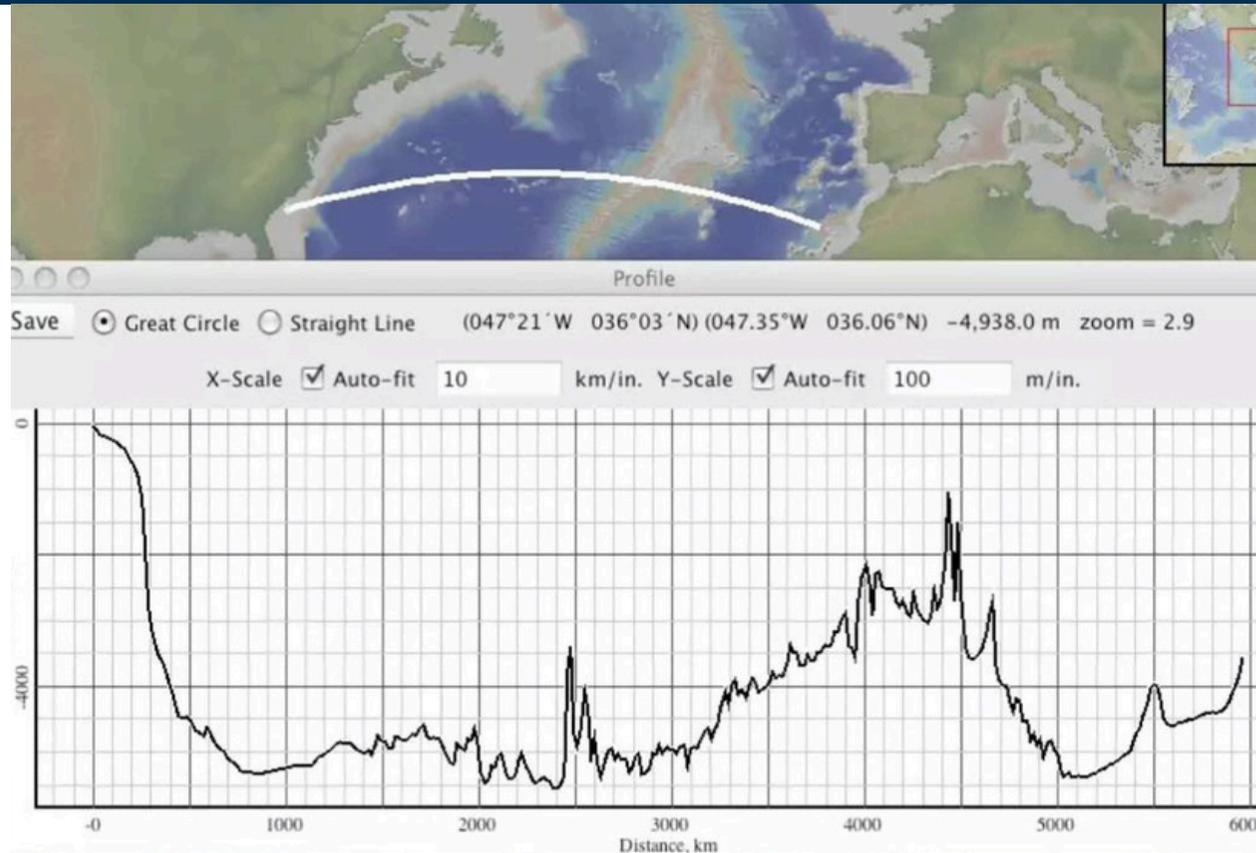
8

Identify the letter that corresponds to the correct arrangement of atmospheric fronts and pressure in the region.



9

Identify the incorrect statement using the profile below:



A

The depth of the abyssal plain exceeds 4 km.

B

There is a shelf present on the profile.

C

The deep-sea trench is located near North America.

D

The Mid-Ocean Ridge is located 4,500 km from North America.

10

What factor causes the reddish-orange colour of the water in the Betsiboka River?



*Бецибука – река в северо-западной части острова Мадагаскар, впадающая в Мозамбикский пролив*

**A**

**Geothermal activity in the region**

**B**

**Erosion of red lateritic soils**

**C**

**Pollution from industrial wastewater**

**D**

**Growth of freshwater algae**

11

Here is a map of the territory from the game GTA: Vice City. Which real-life city was used as the basis for the city in the game?

A

Los Angeles

B

Miami

C

Orlando

D

Philadelphia



12

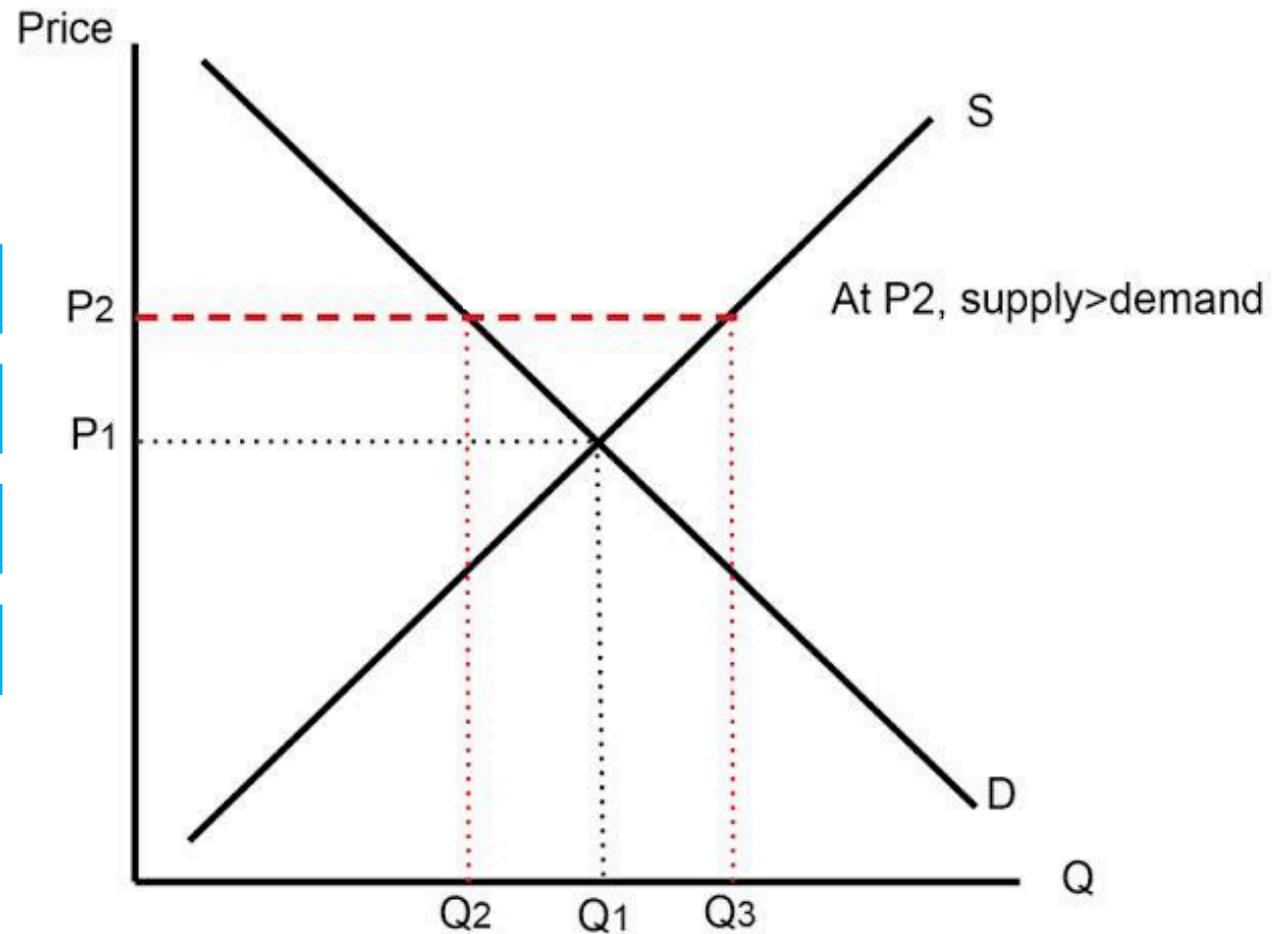
You are given a supply and demand model, where supply is the amount of food produced at a certain price, and demand is the amount of food desired by buyers at the corresponding price. When the market is in equilibrium, the price is  $P_1$ , but the government has set a minimum price of  $P_2$ . Identify the correct consequence of this decision:

**A** The market is still in equilibrium

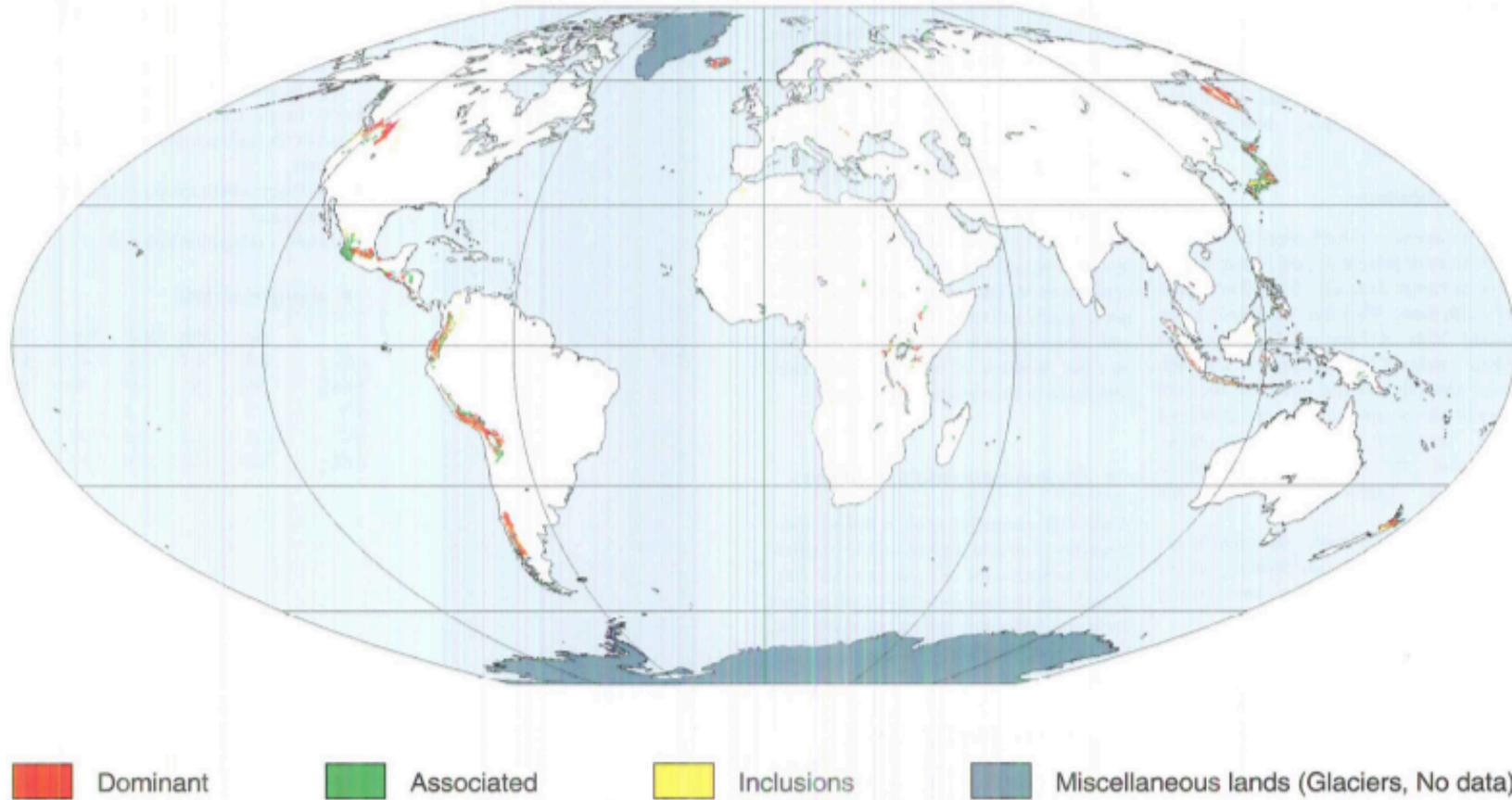
**B** There is a surplus on the market.

**C** There is a shortage on the market.

**D** Not enough information



13 Identify the landscapes where Andosols are most commonly found.



A

Forest-steppe

C

Tundra

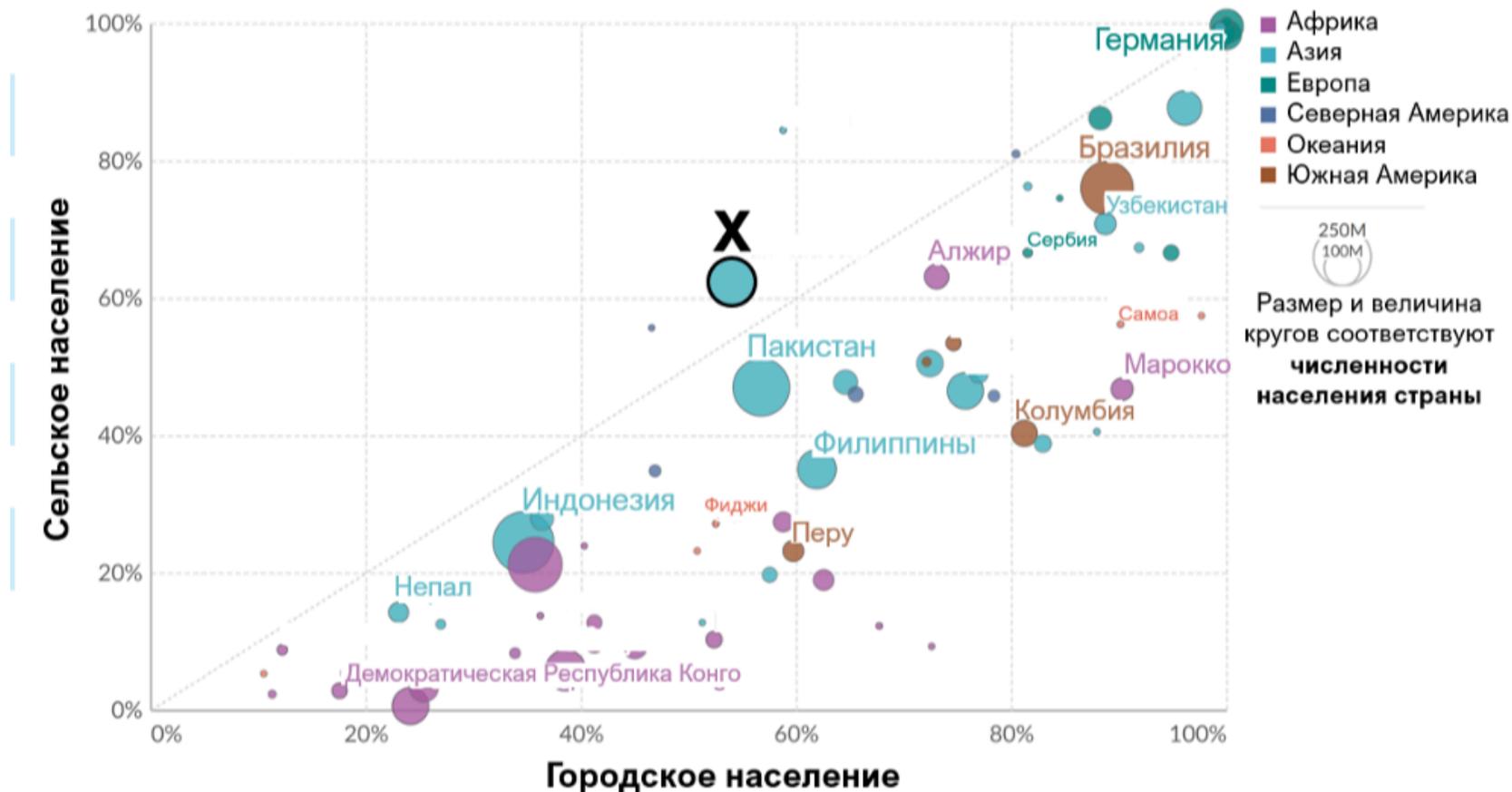
B

Deserts

D

Volcanic landscapes

Доля людей, использующих безопасные источники питьевой воды в сельской и городской местности, 2022



A

Ethiopia

C

India

B

Bangladesh

D

Vietnam

15

The consequences of which process can be seen in the picture:



A

Downburst

B

Tornado

C

Landslide

D

Mudflow

16

In Scotland, there is an annual competition for skipping stones across water ('pancakes'). According to the rules, the stones must be made of a specific type of rock found on the island. Identify the type of rock the stones must be made of.



A

Basalt

B

Slate

C

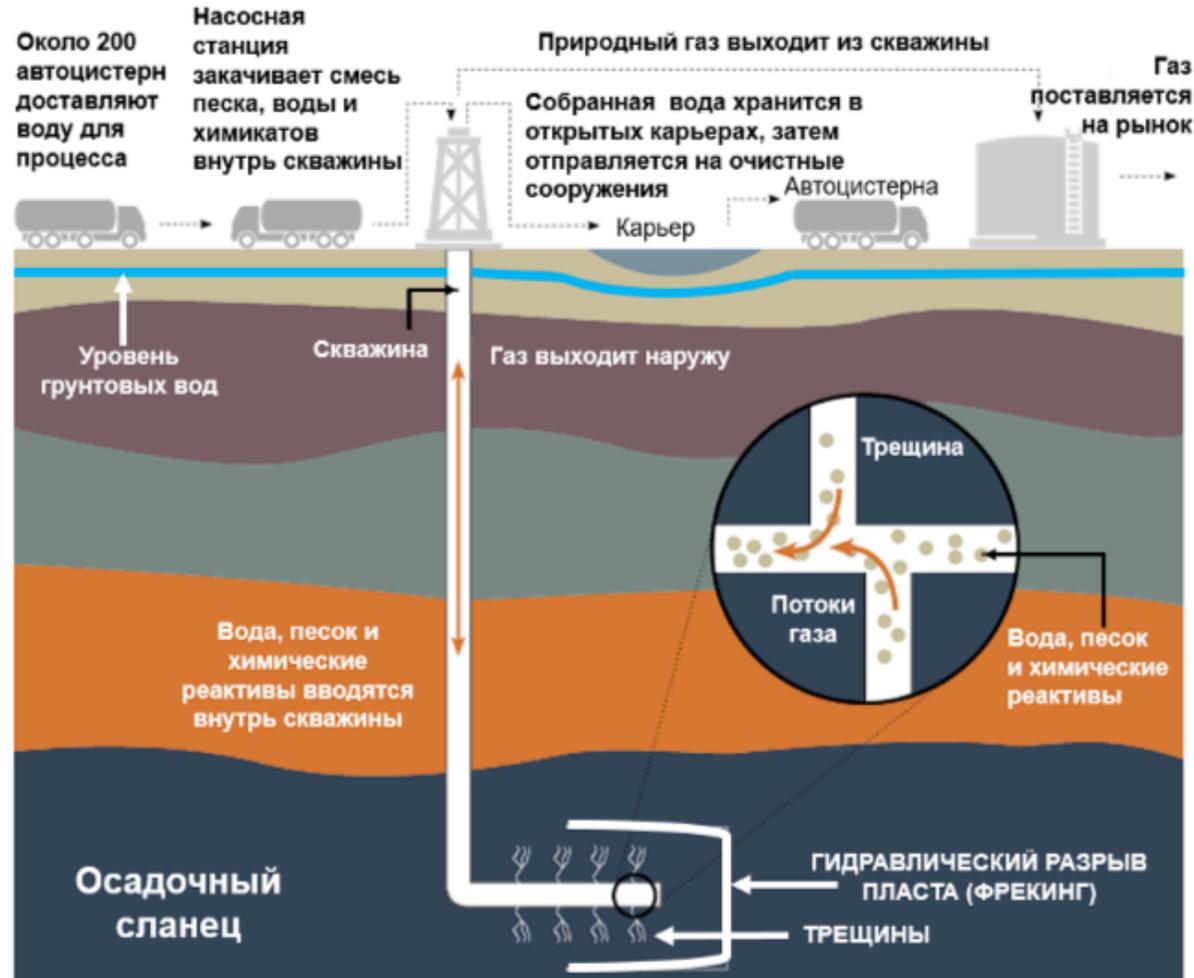
Gneiss

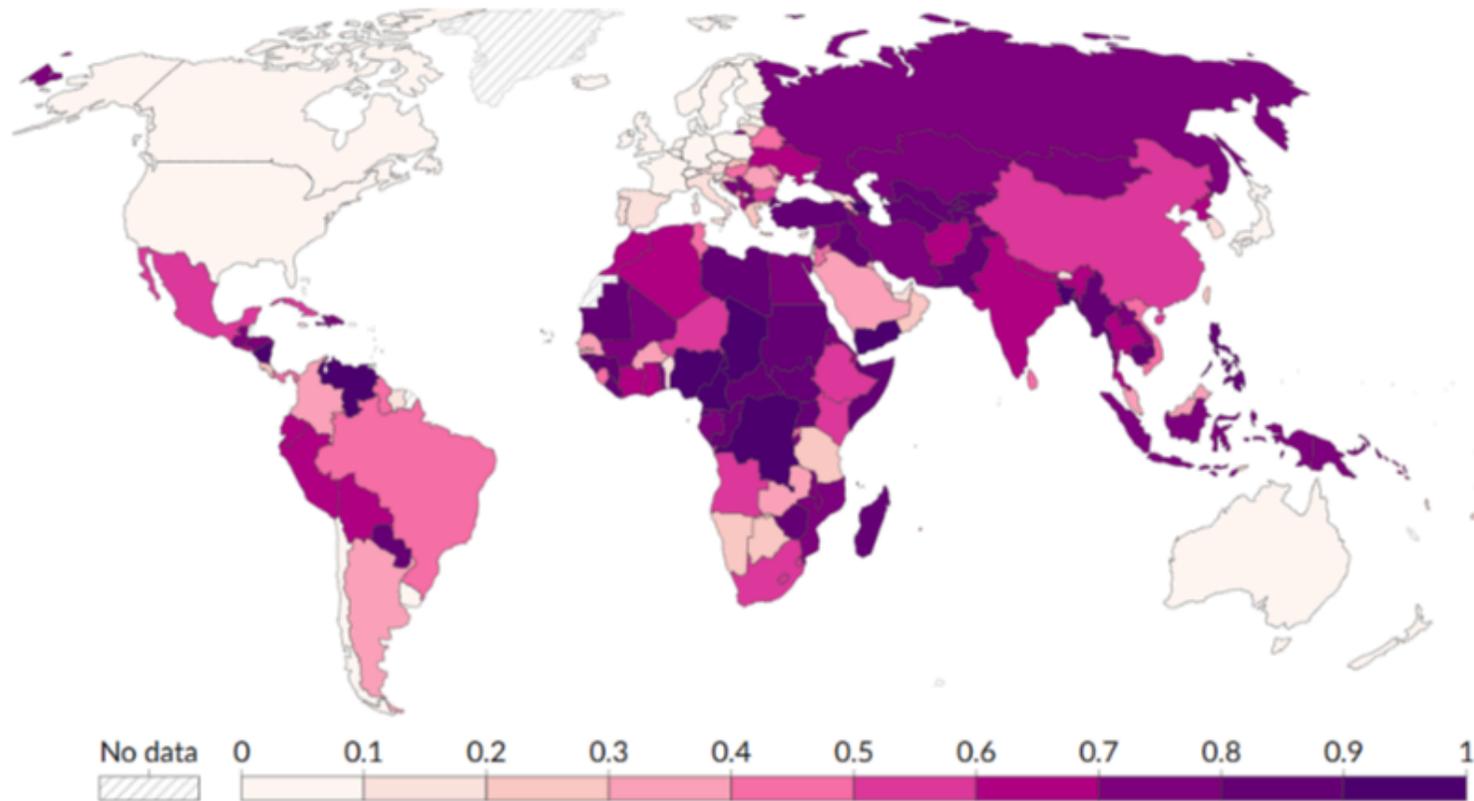
D

Phyllite

Study the diagram of the fracking process (extraction of natural gas using hydraulic fracturing).  
Identify the LEAST likely direct consequence of fracking for the environment.

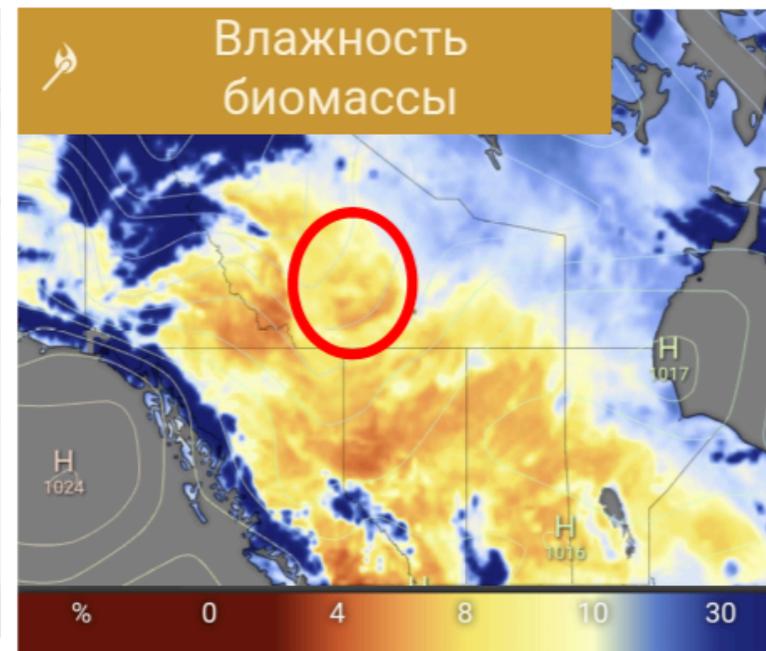
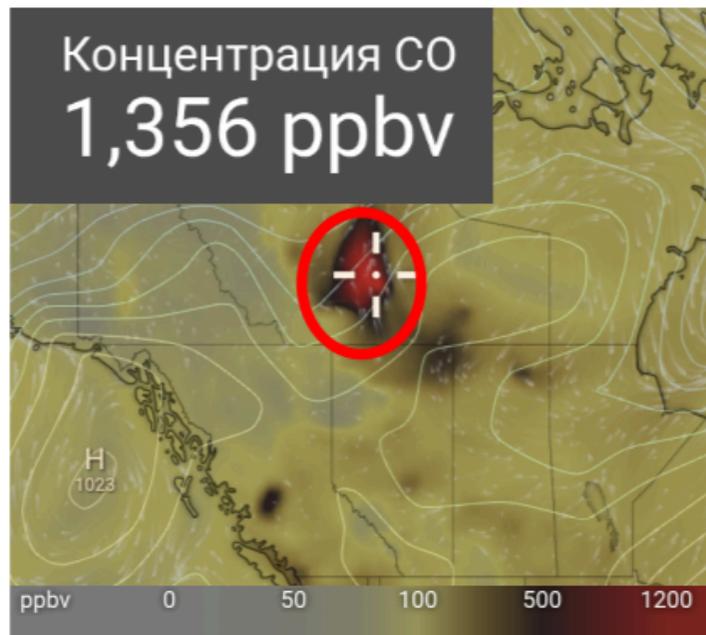
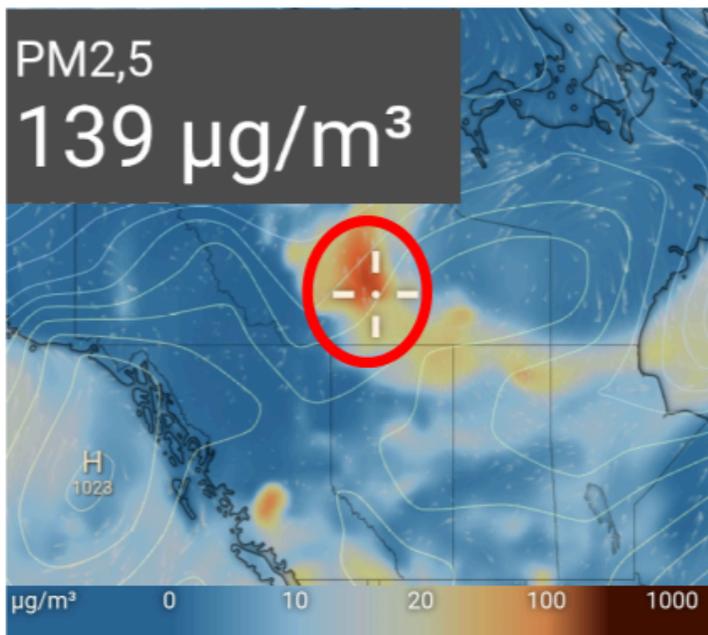
- A Chemical contamination of groundwater
- B The risk of earthquakes and landslides
- C Risk of large-scale soil erosion and degradation
- D Toxic emissions into the atmosphere and air pollution



**A****Inflation ratio for the periods taken****C****Gini index****B****Political Corruption Index****D****Political instability index**

19

What is the probable cause of high concentrations of PM-2.5 particles and carbon monoxide (CO) in the selected area?



**A** Industrial pollution

**B** Dry season in the region

**C** Forest fires

**D** Uranium ore mining

20

Name the type of slum depicted in the photo:



A

Favelas

B

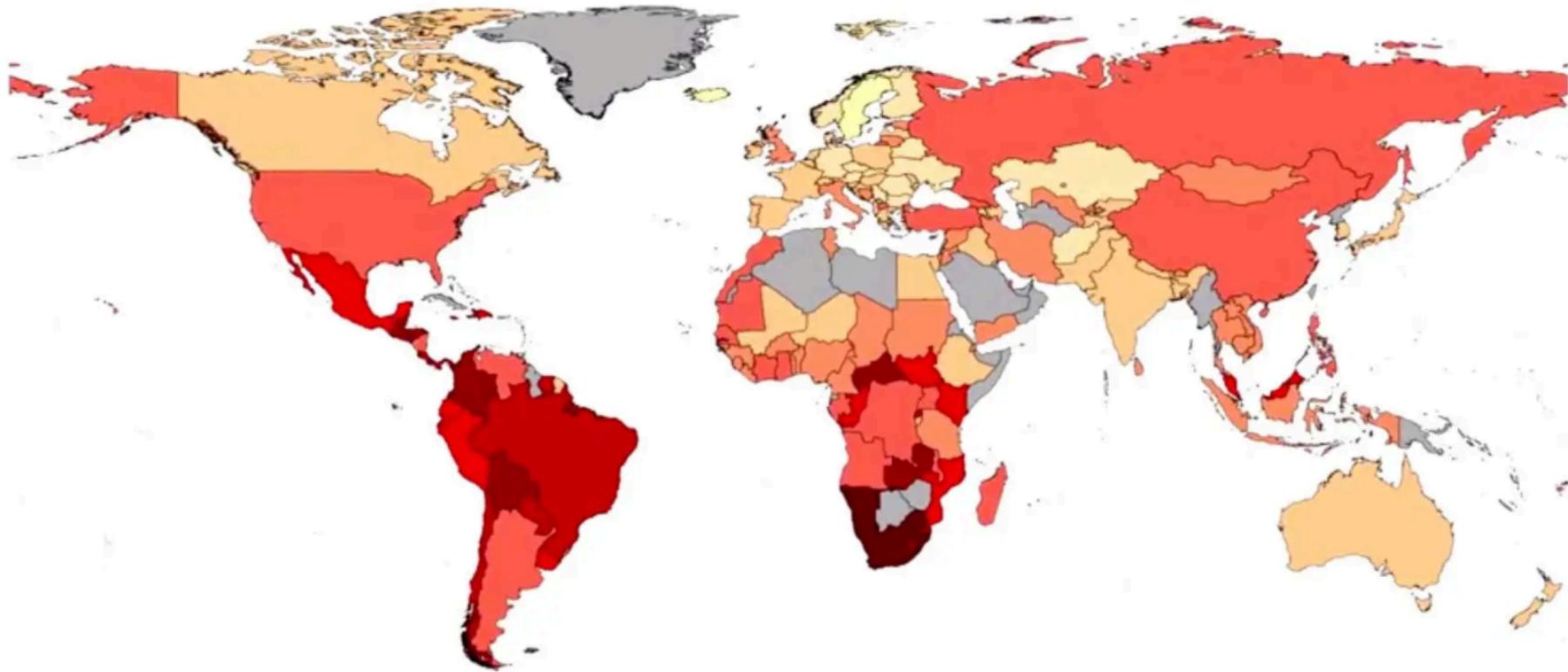
Villa Miseria

C

Dharavi

D

Banyoles

**A****Unemployment level****C****Gini index****B****Life expectancy after retirement****D****Human Development Index**

A

Aftershock

B

Mainshock

C

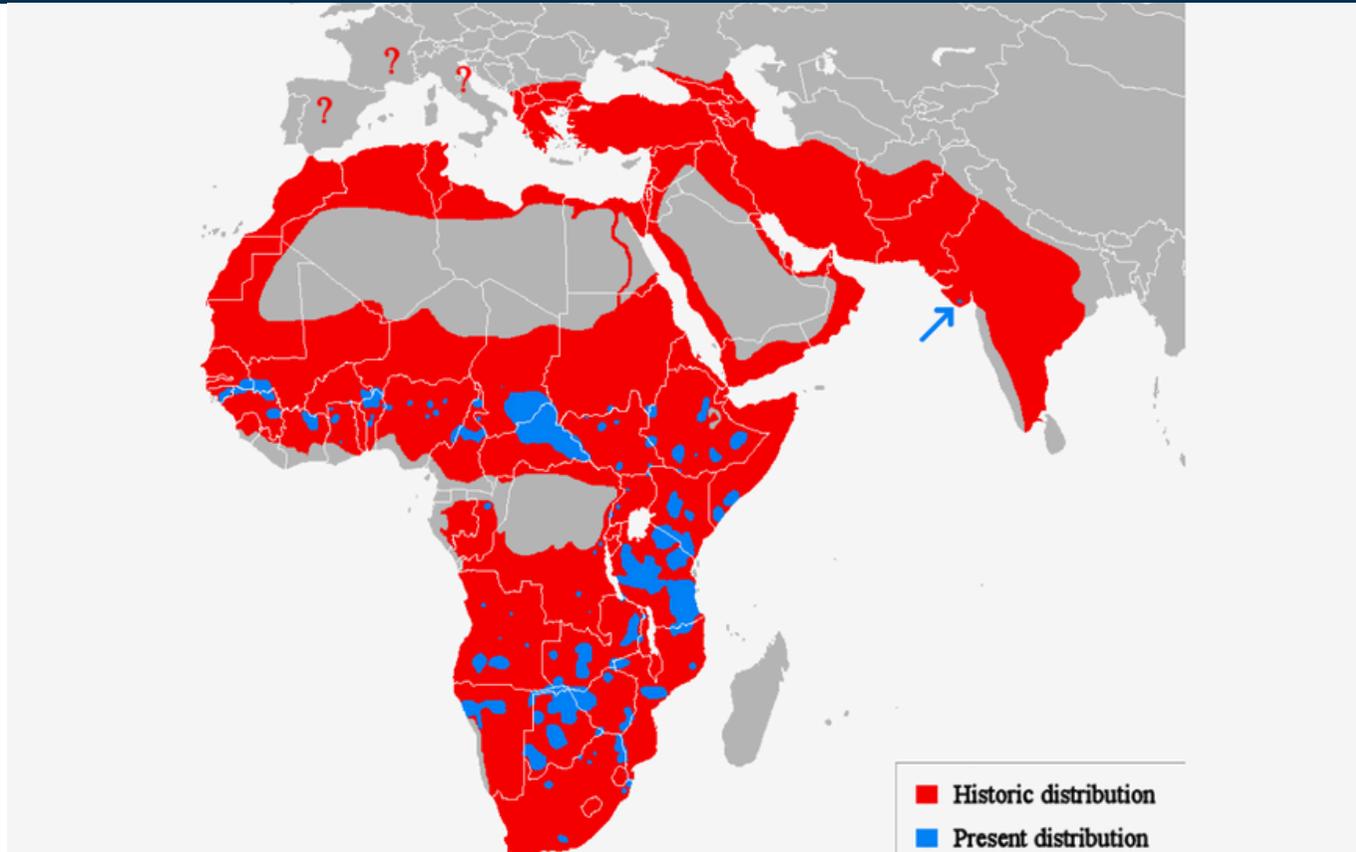
Not related event

D

Foreshock

8.8	<b>2025 Kamchatka Peninsula, Russia Earthquake</b>	2025-07-30 04:24:52 (UTC+05:00)	35.0 km
7.4	<b>111 km E of Petropavlovsk-Kamchatsky, Russia</b>	2025-09-13 07:37:54 (UTC+05:00)	39.5 km
7.4	<b>2025 Eastern Kamchatka, Russia Earthquake</b>	2025-07-20 11:49:04 (UTC+05:00)	34.0 km
6.9	<b>125 km SE of Petropavlovsk-Kamchatsky, Rus...</b>	2025-07-30 05:09:58 (UTC+05:00)	36.6 km
6.8	<b>123 km E of Severo-Kuril'sk, Russia</b>	2025-08-03 10:37:55 (UTC+05:00)	30.0 km
6.6	<b>147 km E of Petropavlovsk-Kamchatsky, Russia</b>	2025-07-20 12:23:00 (UTC+05:00)	22.1 km
6.6	<b>153 km ESE of Petropavlovsk-Kamchatsky, Ru...</b>	2025-07-20 12:07:42 (UTC+05:00)	10.0 km
6.6	<b>134 km E of Petropavlovsk-Kamchatsky, Russia</b>	2025-07-20 11:28:17 (UTC+05:00)	23.0 km
6.3	<b>94 km SE of Petropavlovsk-Kamchatsky, Russia</b>	2025-07-30 04:30:03 (UTC+05:00)	16.4 km

Identify what is shown in the picture below:



**A** The spread of “neglected tropical diseases”

**B** The distribution area of lions

**C** Regions of slash-and-burn agriculture

**D** Regions of the ‘Old World’ affected by malaria

Determine the climate type according to the Köppen classification that prevails in the winter habitat of saigas in Kazakhstan:

A

Dfb

B

BWh

C

Dfa

D

BWk



25

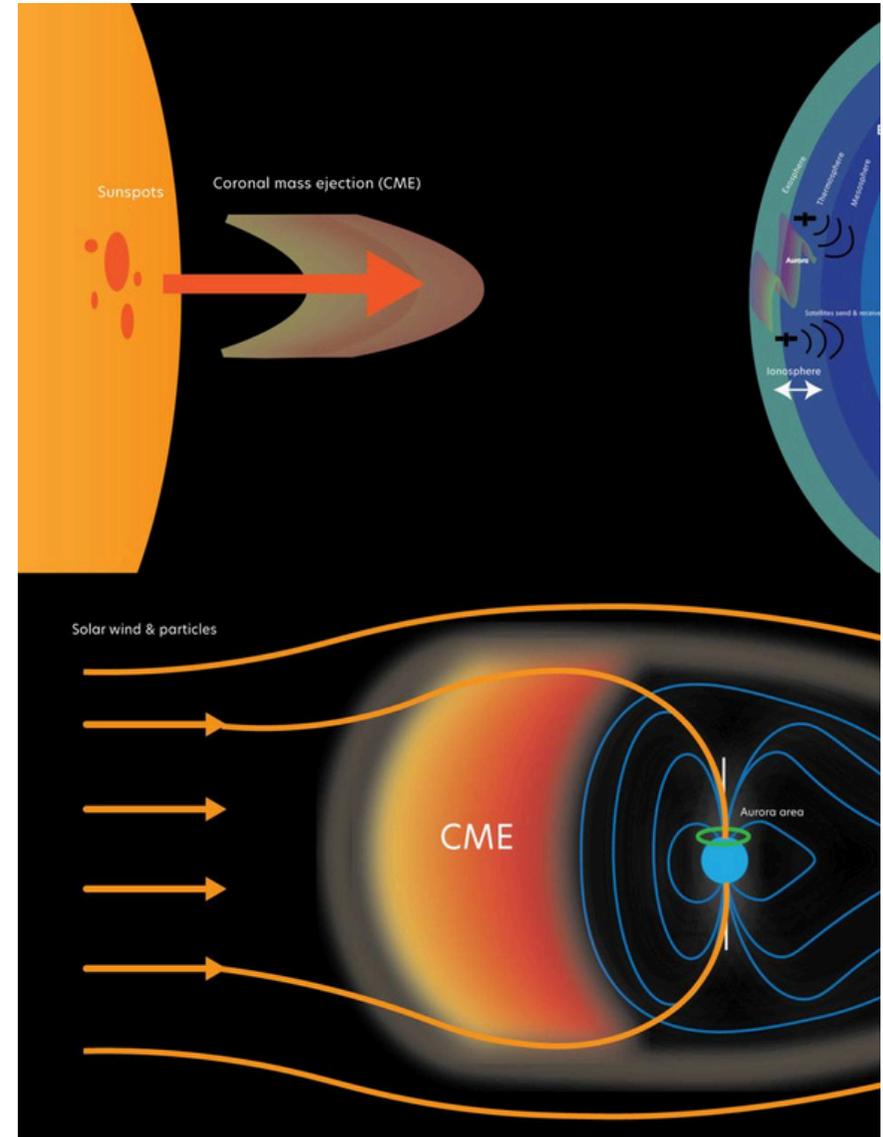
The distance between the Sun and Earth is 150 million kilometres. A plasma cloud flew towards Earth at a speed of 500 kilometres per second. How long will it take for the plasma cloud to reach Earth?  
Do not take friction or speed reduction into account.

A 73 h

B 92 h

C 15 h

D 83 h



26

The picture illustrates chalk in Sussex, England. Identify what climate in Sussex's past the chalk is evidence of:

**A** Warm, tropical shelf

**B** Temperate plain

**C** Polar shelf

**D** Tundra



27

On 28 April 2025, the Iberian Peninsula experienced a near-total blackout. Identify the least likely consequence:

A

Urban fires

B

Mobile network disruptions

C

Train service suspension in the Azores

D

Diplomatic scandal



28

What innovations in agriculture resulted from the changes shown in the video?

A

Introduction of mechanisation in harvesting

B

Modern irrigation systems

C

Plant breeding and genetic modification

D

Use of pesticides and fertilisers

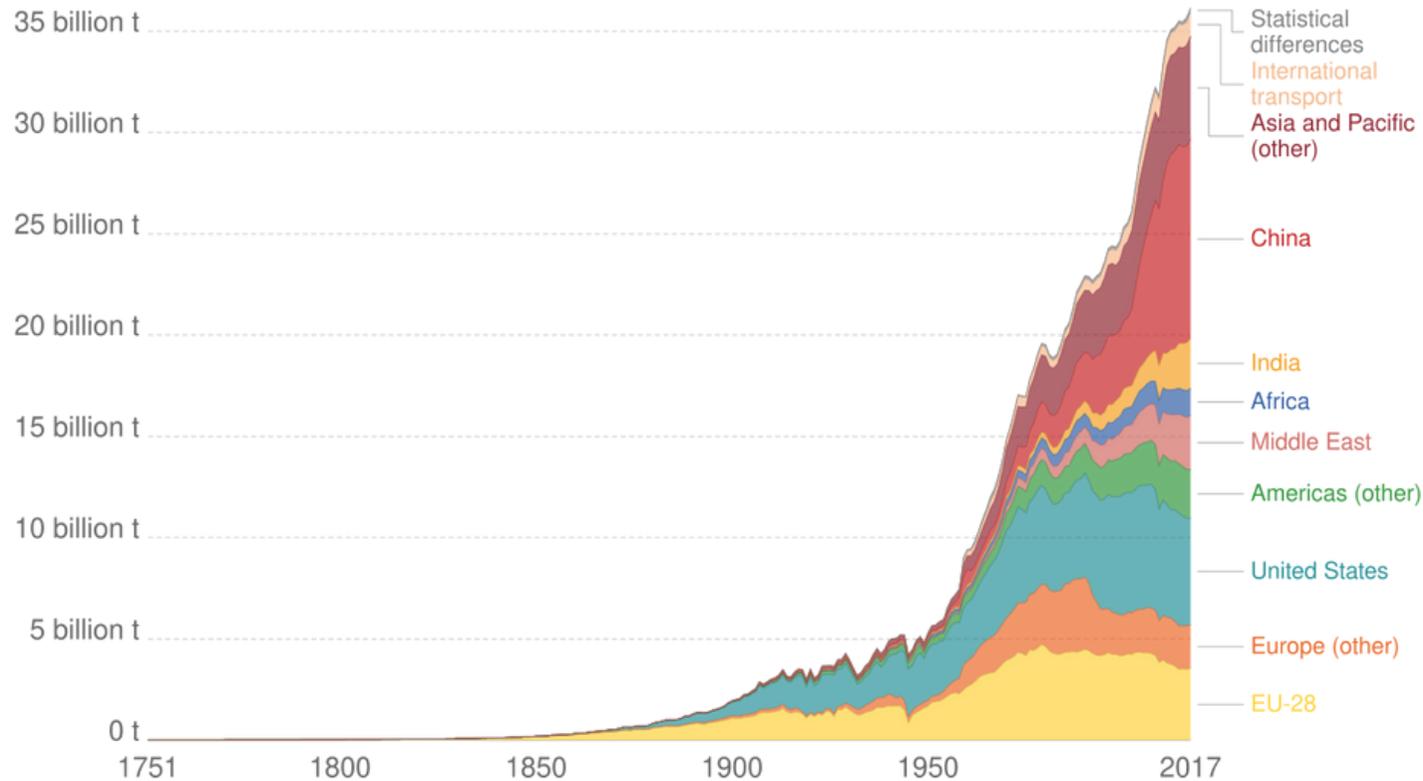
как выглядели фрукты до вмешательства людей 🤯



# Identify which country has the highest annual CO<sub>2</sub> emissions:

Annual total CO<sub>2</sub> emissions, by world region

Our World  
in Data



Source: Carbon Dioxide Information Analysis Center (CDIAC); Global Carbon Project (GCP)

Note: "Statistical differences" notes the discrepancy between estimated global emissions and the sum of all national and international transport emissions.

OurWorldInData.org/co2-and-other-greenhouse-gas-emissions • CC BY

**A**

**China**

**C**

**Russia**

**B**

**USA**

**D**

**Curacao**

30

What texture is illustrated on the rock in the image below:

A

Vesicular

B

Uniform

C

Aphanitic

D

Porphyritic



Identify the biome from the movie below:



**A**

**Temperate forest**

**B**

**Steppe**

**C**

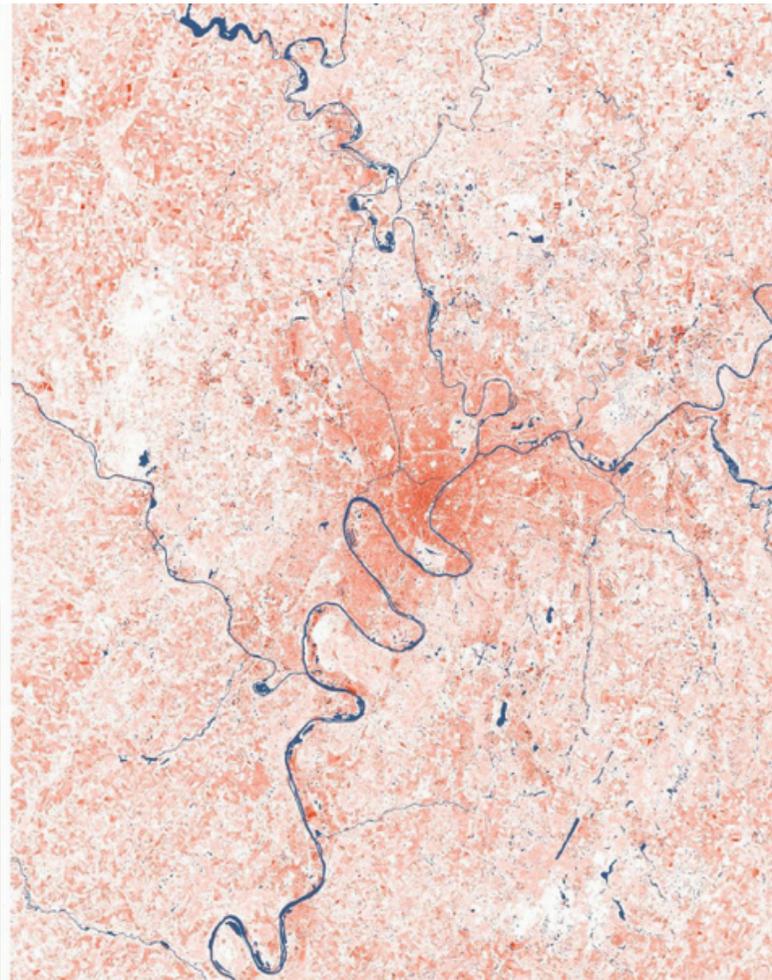
**Tropical rainforest**

**D**

**Savannah**

32

What river is shown in the satellite image, given that it was taken by Landsat 8 and cities and vegetation are shown in orange?



A

Garonne

C

Seine

B

Moscow

D

Dnieper

33 Identify which natural disaster is shown below:



**A** Earthquake

**C** Tornado

**B** Landslide

**D** Flood

# Orodruin, Pilhuerti Neika, Hill Valley, Mount Penlai, Sannikov Land: What do all these geographical features have in common?



A

All refer to mountains

C

All were formed by volcanic processes.

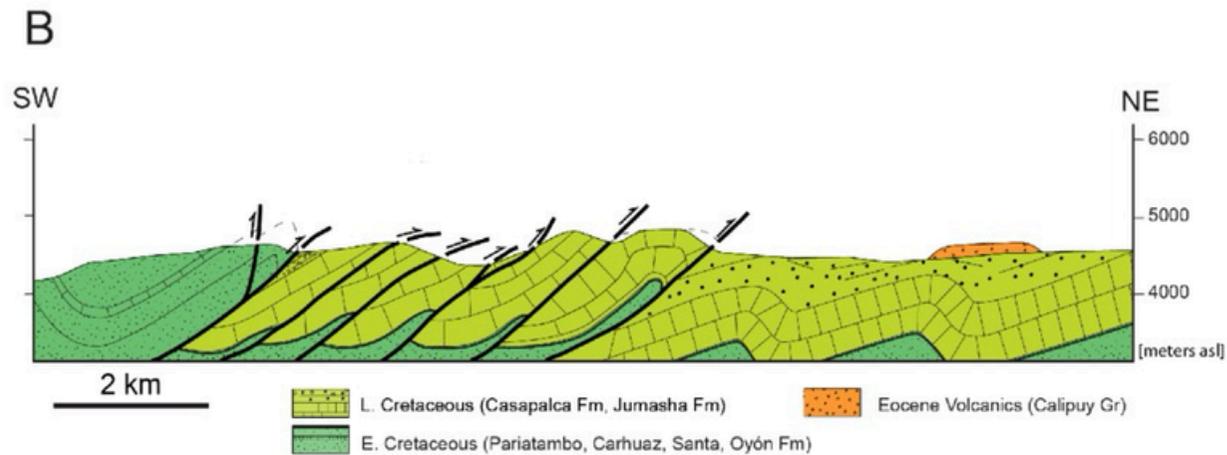
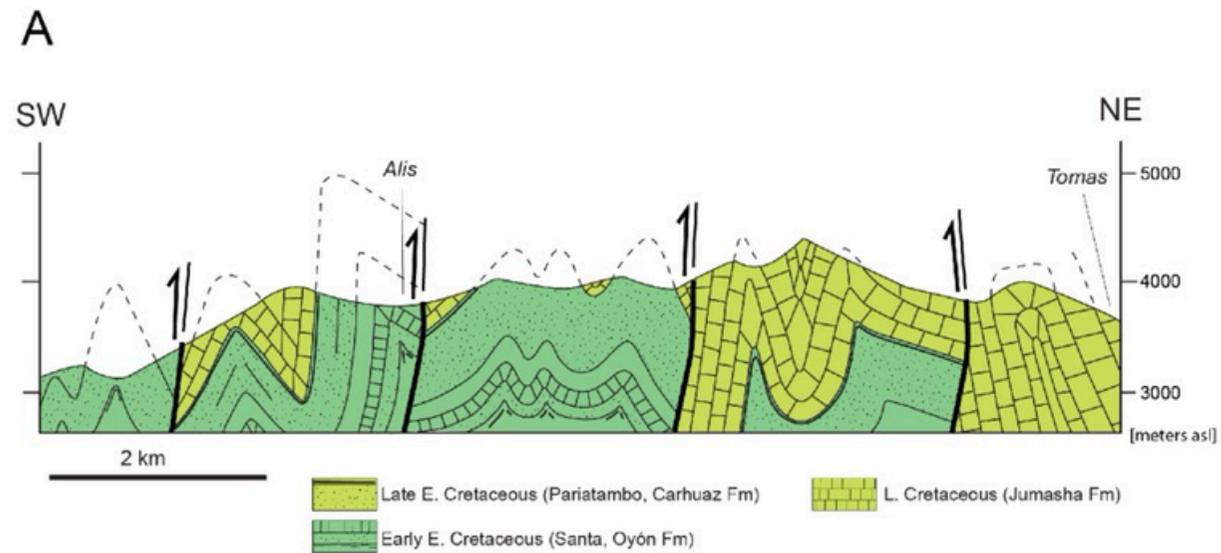
B

All were opened by the same person.

D

They are all made up.

Identify the mountain range shown in the cross-section below:



A

Alps

C

Cordillera

B

Balkans

D

Andes

On 15 November 2024, a session of the New Zealand Parliament was interrupted by a ceremonial haka dance. Please indicate which people this dance belongs to:



A

Maori

C

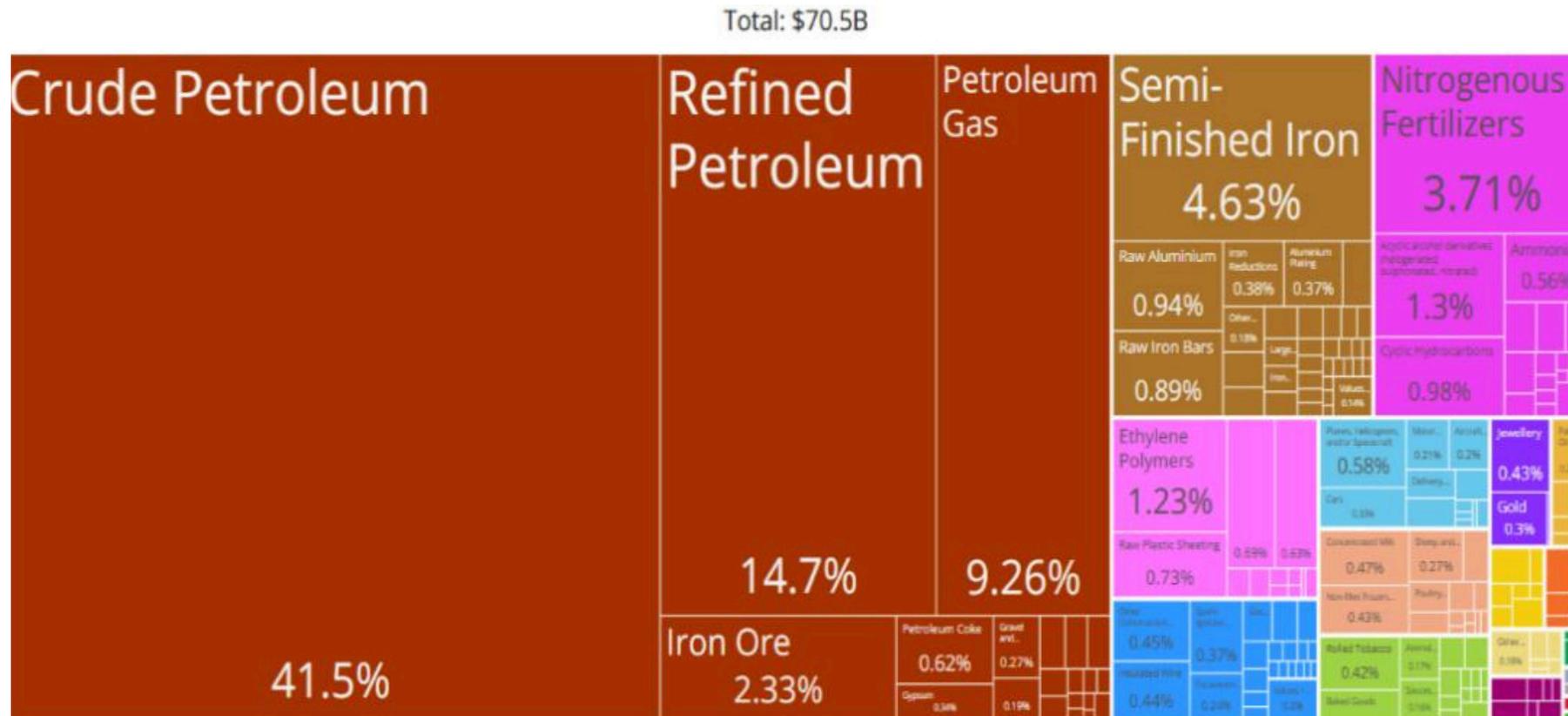
Evenki

B

Aleuts

D

Inuit



A

Peru

C

Oman

B

Kazakhstan

D

UAE

38

The picture below shows an island from the series Game of Thrones - Dragonstone. Identify the origin of the island:



A

Atoll

C

Artificial

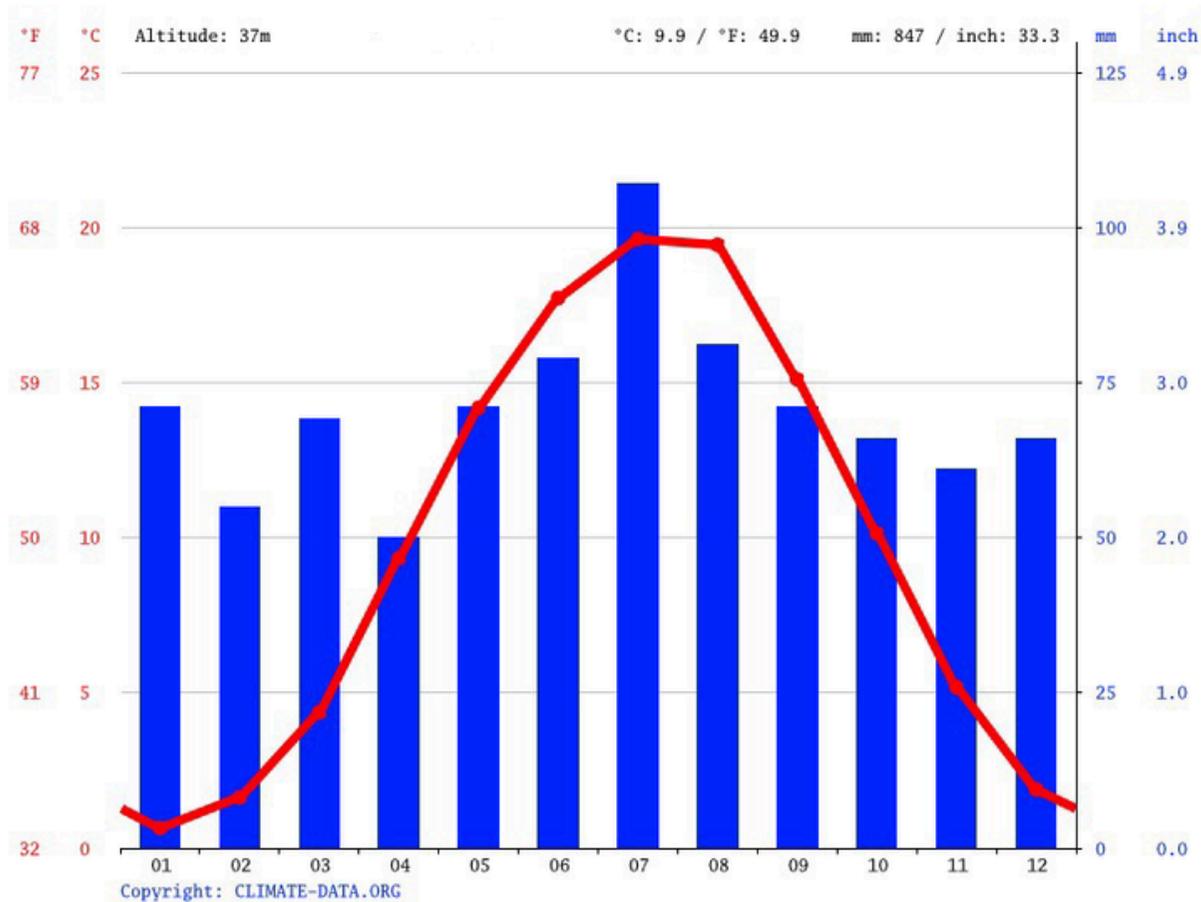
B

Volcanic

D

Continental

Identify the climate type according to Köppen on this climatogram:



A

Cfb

C

BSH

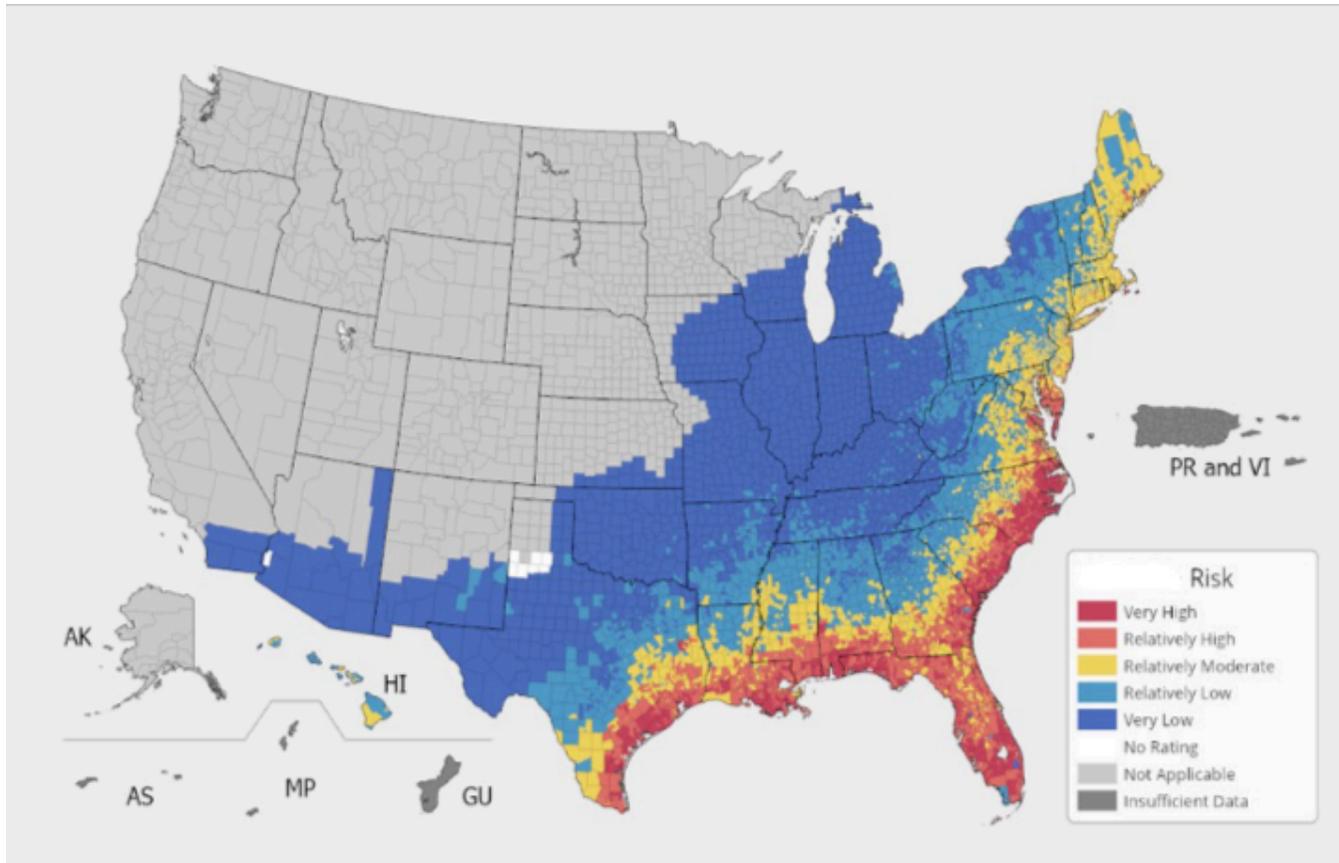
B

Cwa

D

Dfc

Study the hurricane risk map below and identify the CORRECT statement:

**A**

There is no risk for Hawaii.

**C**

Very high risk concentrated along the south-east coast

**B**

The greatest risk on the west coast of the United States

**D**

There is no risk of hurricanes in the United States.

**Congratulations on completing the tour!  
Don't forget to send your answer sheet  
along with your written tour.**