

# Multimedia Test



Photo: Fernando García-García, May 2013



# Instructions

This test has 40 questions.

Read the question on each *PowerPoint* slide carefully.

We will also read the questions to you.

Depending on the complexity of the question, we will give you 30 to 75 seconds for a question.

Each question is multiple-choice. Choose *A*, *B*, *C* or *D*.

Only one answer is correct.

Mark your choice on the *Answer Sheet* with a circle around the letter that you want to select. If you make a mistake, delete the selected letter and make a new choice.

We will read all questions to you again  
at the end of the test.

**Q 1**

**What city was this picture taken in? It is the closest city to the equator that has hosted the Winter Olympic Games.**

A. Beijing

B. Nagano

C. Seoul

D. Tokyo

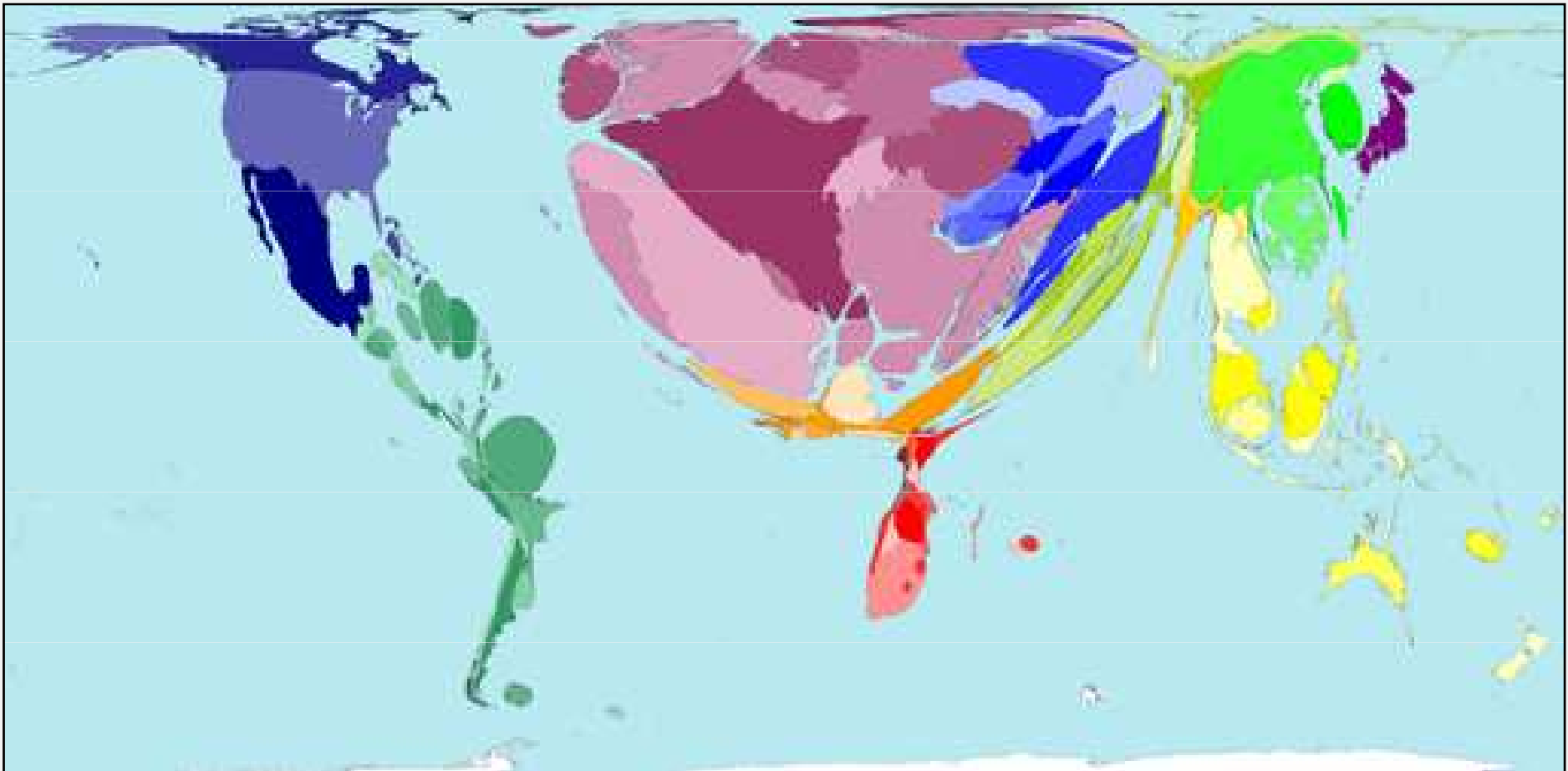




**Q 2**

**What does this map represent?**

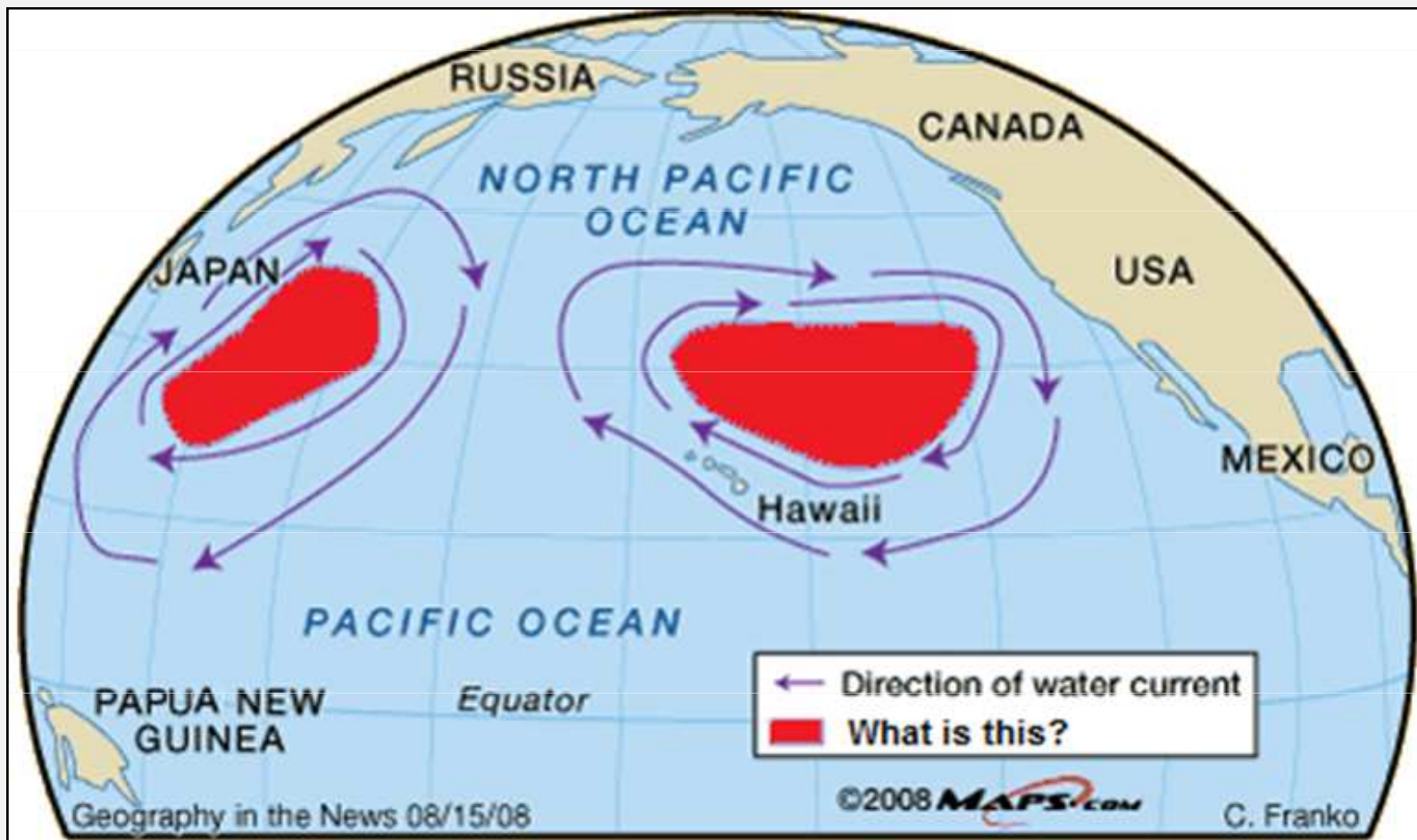
- A. cereals exports
- B. carbon dioxide emissions
- C. total population
- D. international tourists arrivals



## What do the red areas in the map represent?

**Q 3**

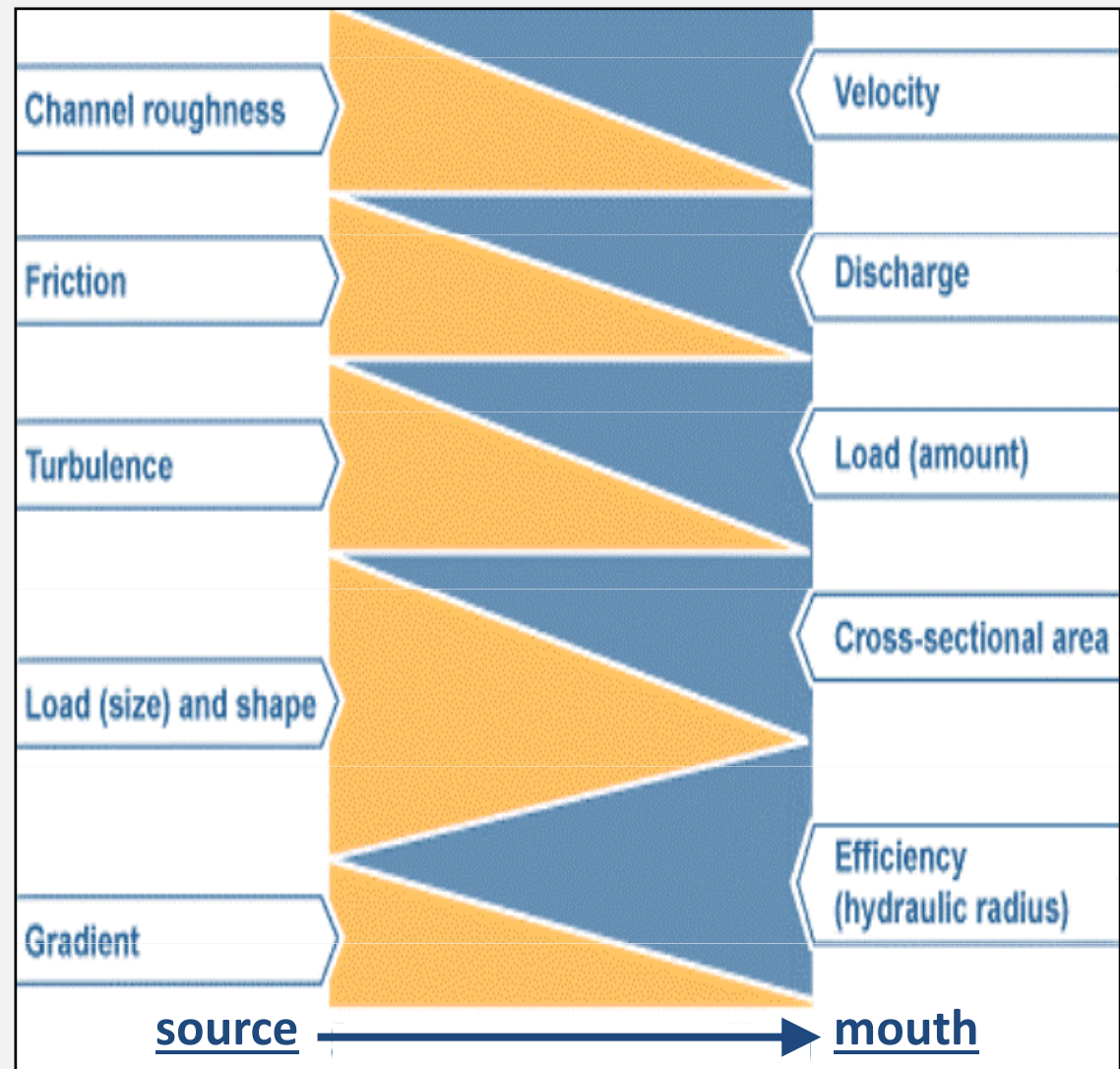
- A. zones of high levels of chlorophyll concentration
- B. the estimated coverage of the Great Pacific garbage patch
- C. zones of low mean annual sea surface temperature
- D. feeding grounds of several whale species



**Q 4**

The diagram shows a Bradshaw Model for a river. Considering the flow from source to mouth, which of the following statements is correct?

- A. discharge increases and efficiency decreases
- B. both discharge and turbulence increase
- C. both load and velocity decrease
- D. gradient decreases and velocity increases



**In this picture, what are the season and time in Moscow?**

## A. winter, early evening

## B. summer, early morning

C. summer, late morning

### D. winter, early morning

## Q 5





**Q 6**

**In the picture you can see:**

- A. an aqueduct
- B. an embankment
- C. a ravine
- D. a trench

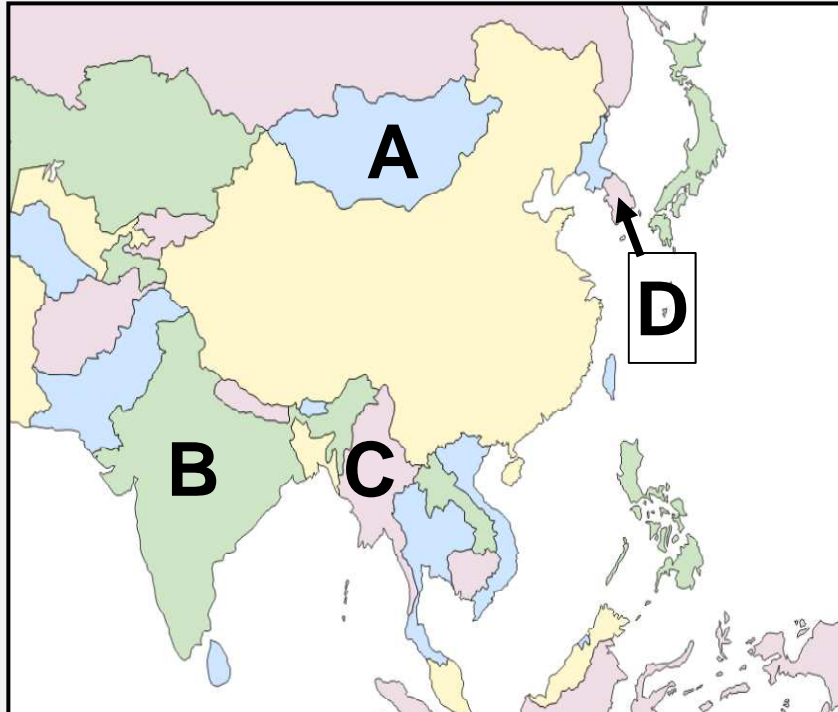


Photo: Nina Brander 2008



**Q 7**

These photos were taken in the same country.  
Which country is it on the map?





**Q 8**

**Which of these natural hazards can be mitigated by the structure in the picture?**

- A. rock falls
- B. riverbank erosion
- C. landslides
- D. all of the above





**Q 9**

**In what month was this photo of a street in Manila most likely taken?**

- A. February      B. April      C. July      D. December





**The Richat Structure is currently thought to be a symmetrical uplift. It is:**

**Q 10**

- A. an eroded anticline
- B. a dune
- C. a river delta
- D. a meteorite crater



**Q 11**

The red arrows point to ridges of debris. What is the name of this landform?

- A. cirque      B. drumlin      C. esker      D. medial moraine



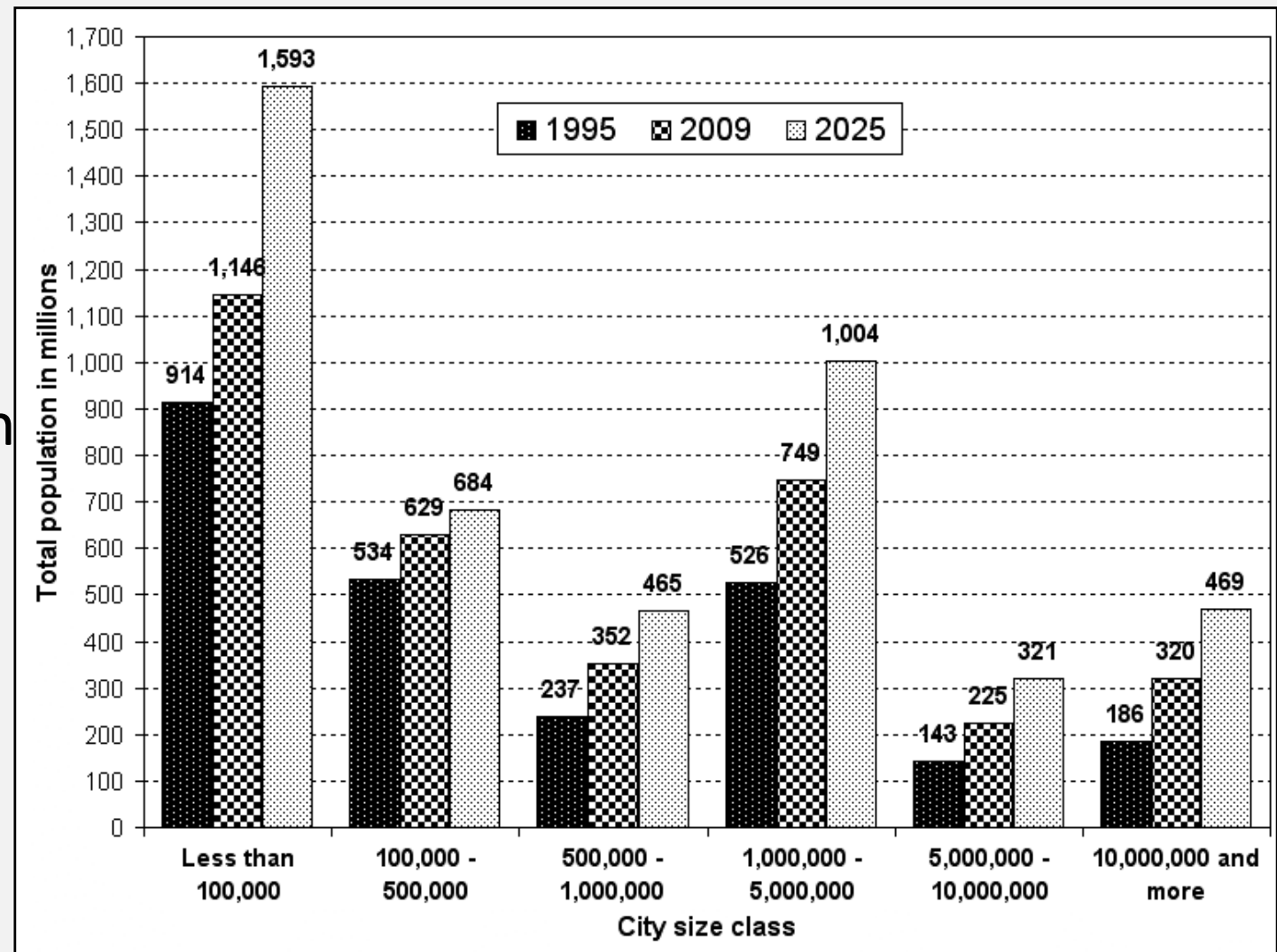
Source: [swisseduc.ch](http://swisseduc.ch) Photo by M. J. Hambrey, 2006



**Q 12**

According to the graph, which city size class is expected to experience the greatest rate of population growth between 1995 and 2025?

- A. less than 100,000
- B. 500,000 to 1 million
- C. 1 to 5 million
- D. 10 million and more



Source: World Urbanization Prospects, 2009



**Q 13**

**Which phenomenon is shown in the movie?**

A. debris landslide

B. mudslide

C. pyroclastic flow

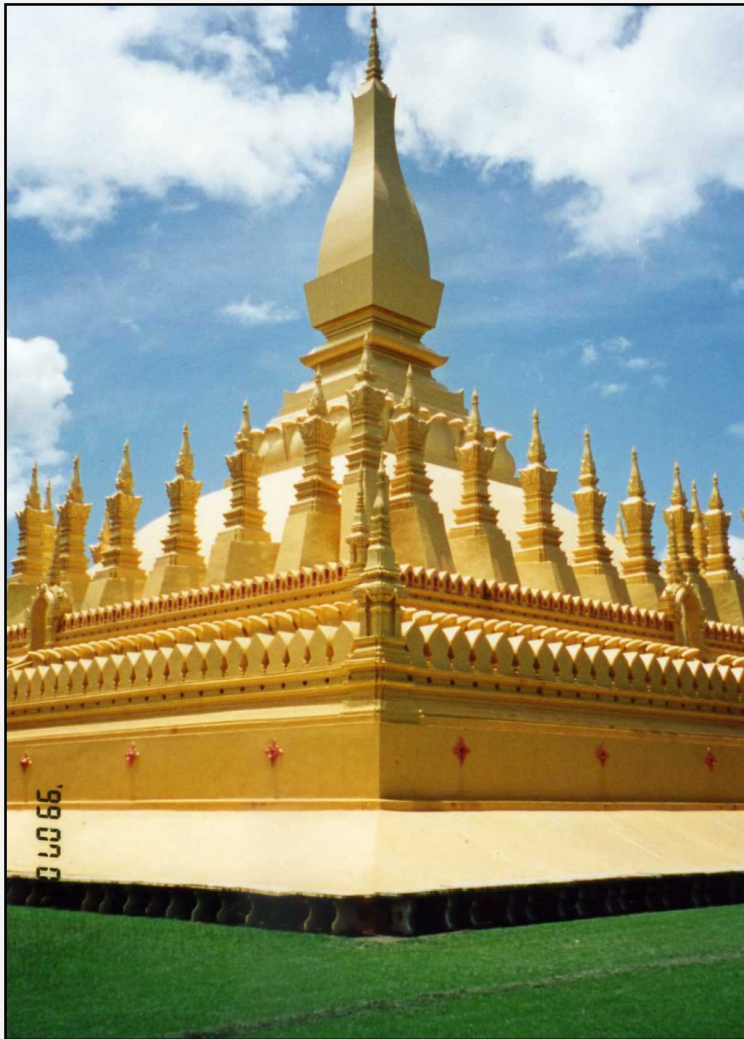
D. snow avalanche



**Q 14**

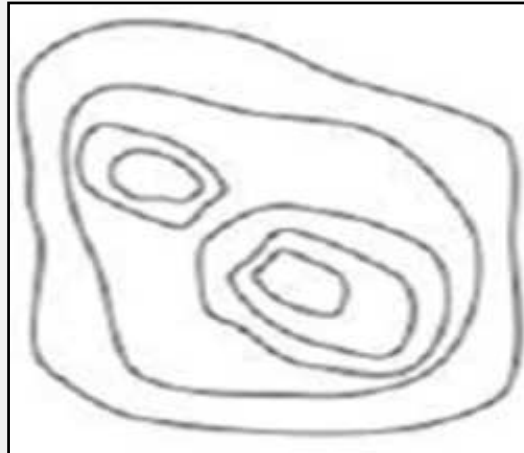
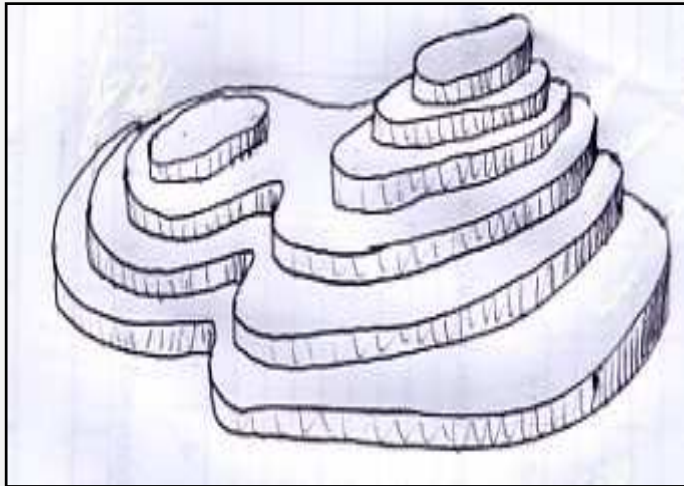
These photos show religious buildings. Which religion do they belong to?

A. Buddhism    B. Christianity    C. Hinduism    D. Islam



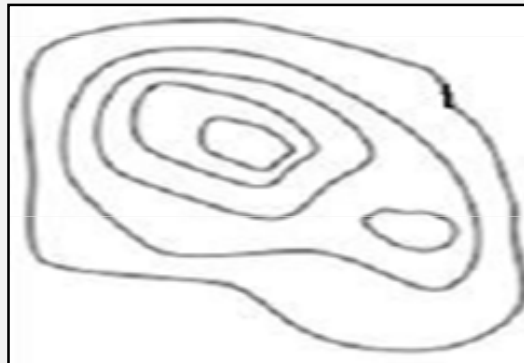
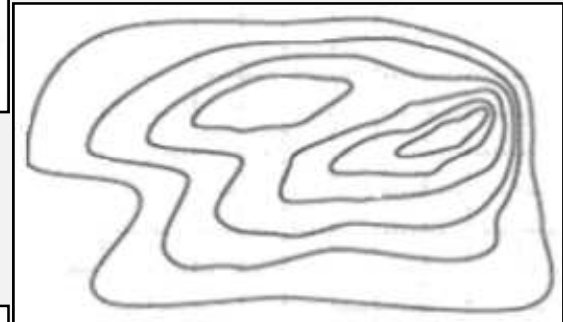
## Q 15

Which contour map matches the three-dimensional draft shown below?



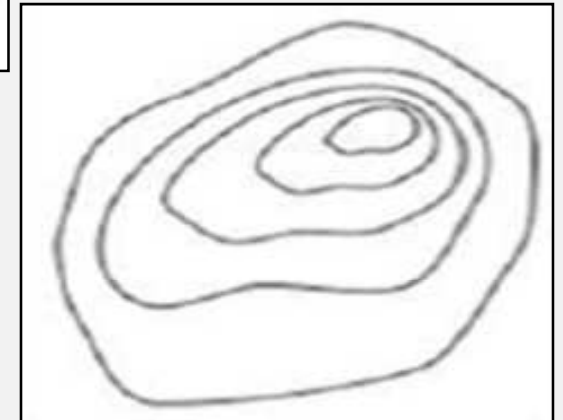
A

B



C

D





**E 16**

**These time-lapsed images show the evolution of:**

- A. the tropical rain forest in Amazonia
- B. a landscape for the exploitation of tar sands in Canada
- C. a landscape for industrial purposes in southern India
- D. a landscape for agriculture in the south of Spain



## Q 17

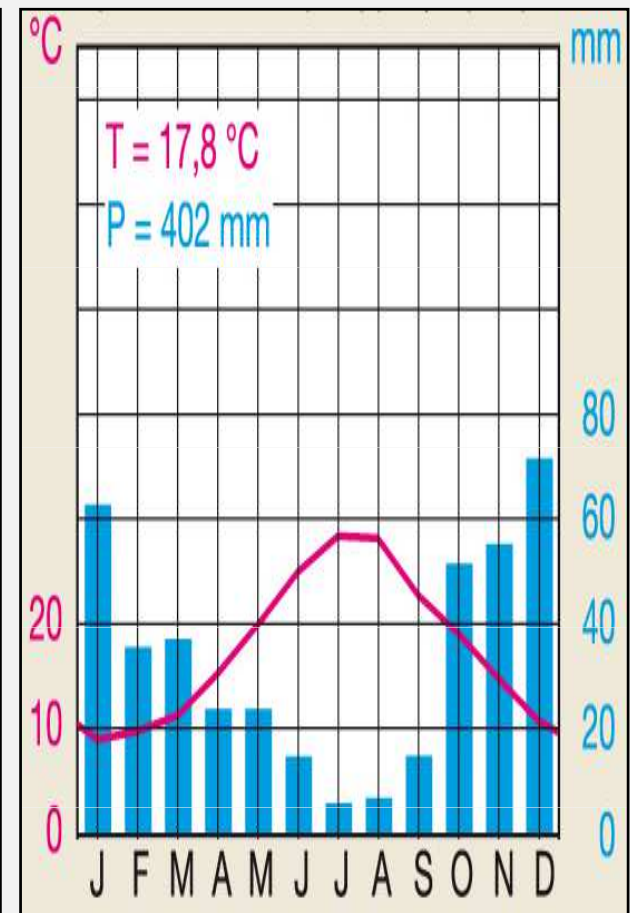
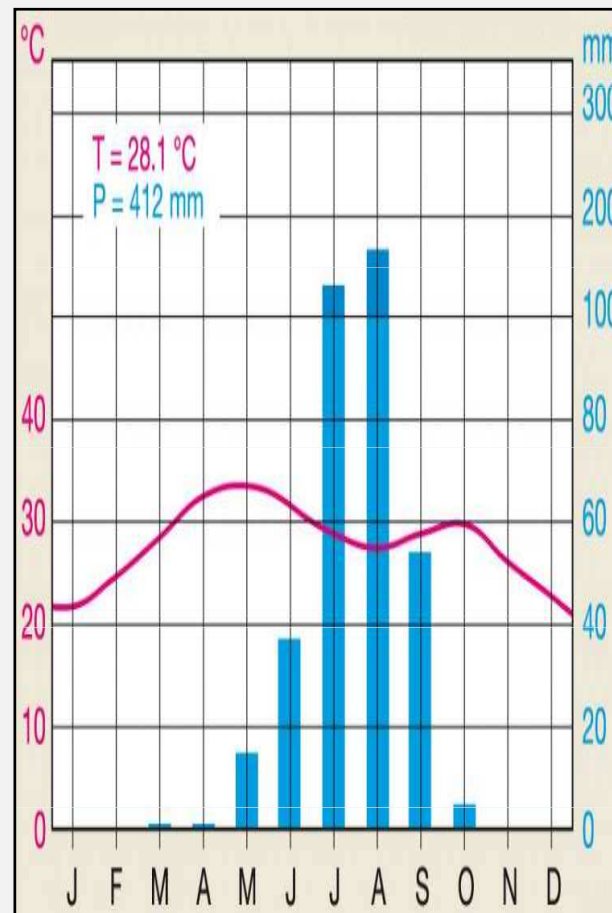
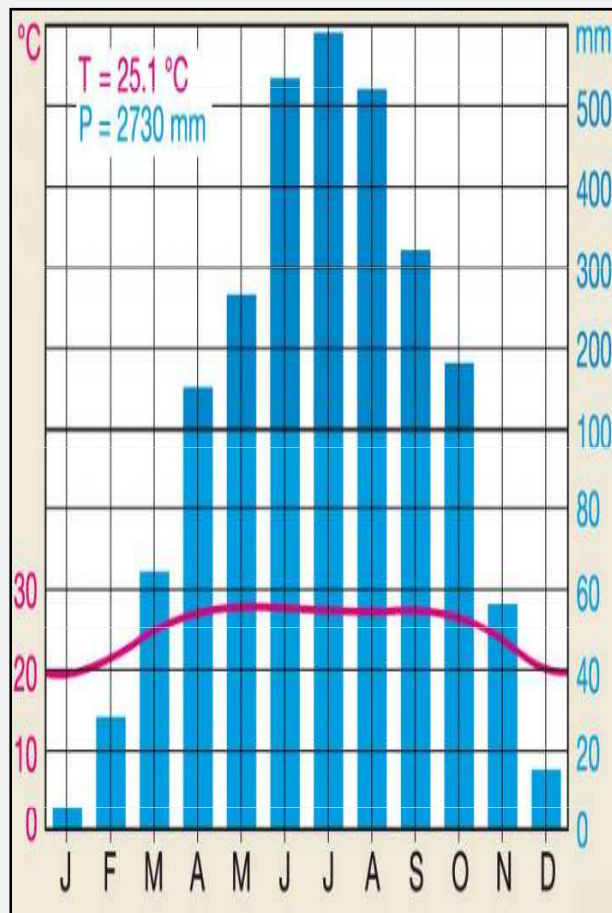
From left to right, what is the correct sequence matching these climate graphs to the following cities:  
1: Athens (Greece) 2: Chittagong (Bangladesh) 3: Zinder (Niger)?

A. 1, 2, 3

B. 1, 3, 2

C. 2, 3, 1

D. 3, 2, 1



**Q 18**

Based on the table below,  
which of these Central  
American countries (marked  
on the map as *A*, *B*, *C* and *D*)  
is more likely to have the  
lowest emigration rate due  
to push factors?

Country	GDP per capita (2005 PPP \$)	Adult literacy rate (% aged 15 and above)	Average annual population growth rate (%)	Infant mortality rate (per 1,000 live births)
Nicaragua	2,499	78.0	1.3	23
Costa Rica	10,453	96.2	1.6	9
Honduras	3,519	84.8	2.0	20
Guatemala	4,297	75.2	2.5	25



**Q 19**

**This landform can be commonly found in all the following countries, except in:**

- A. Australia      B. China      C. Japan      D. U.S.A.



**Imagine you are a local newspaper editor. Your reporter hands you four headlines for this picture. Which one most appropriately describes the feature in the photo?**

A. Ice Age is Coming!  
C. Retreat in 20 Years!

B. Landslide Threat!  
D. Water Pollution Crisis!



**Q 20**

**The picture shows a forest of bamboo, now popular as a flooring material in North America and Europe for its low environmental impact. Which feature does not contribute to that reputation?**

- A. five-year maturation period
- B. lack of pests and no need for fertiliser
- C. majority of production in Asia
- D. production leads to little soil erosion



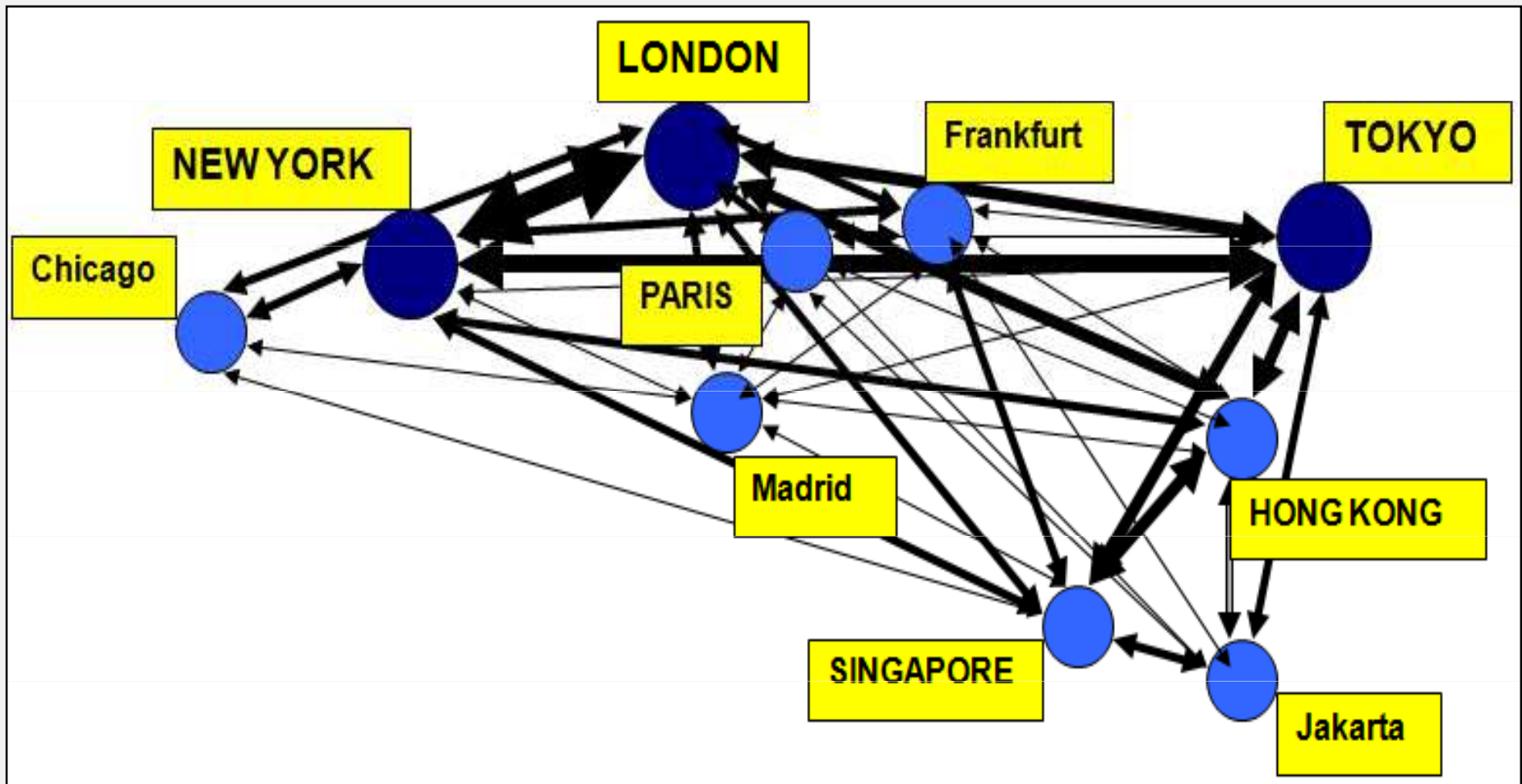
**Q 21**



**Q 22**

What economic sector does this network diagram represent?

- A. banking and financial services      B. bio-industry  
C. fashion industry                      D. gold trading



**Q 23**

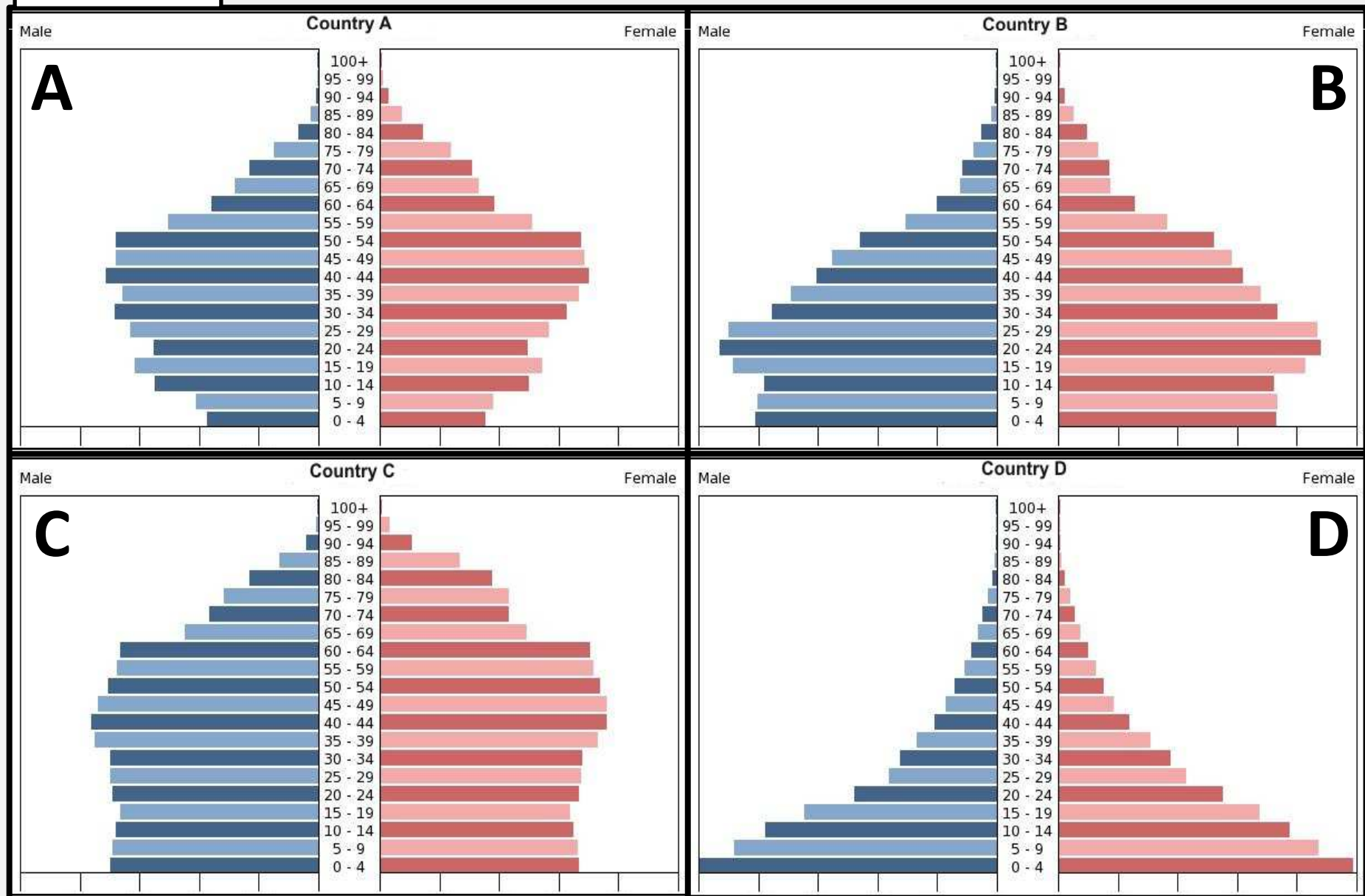
The rock type shown in the picture is:

- A. conglomerate
- B. granite
- C. sandstone
- D. shale



**Q 24**

**Which population pyramid is that of Vietnam?**





**Q 25**

Look at the pictures below. What action should be taken when an earthquake occurs while you are inside a building?



**A**

**C**



**D**



**B**





**Q 26**

**Which continent do these animals inhabit?**

A. Africa

B. South America

C. Asia

D. Europe





**Q 27**

Which of the following biomass types corresponds to a tropical rainforest?



**A**



**B**



**C**



**D**



**Q 28**

Which kind of weathering process is shown in the photograph?

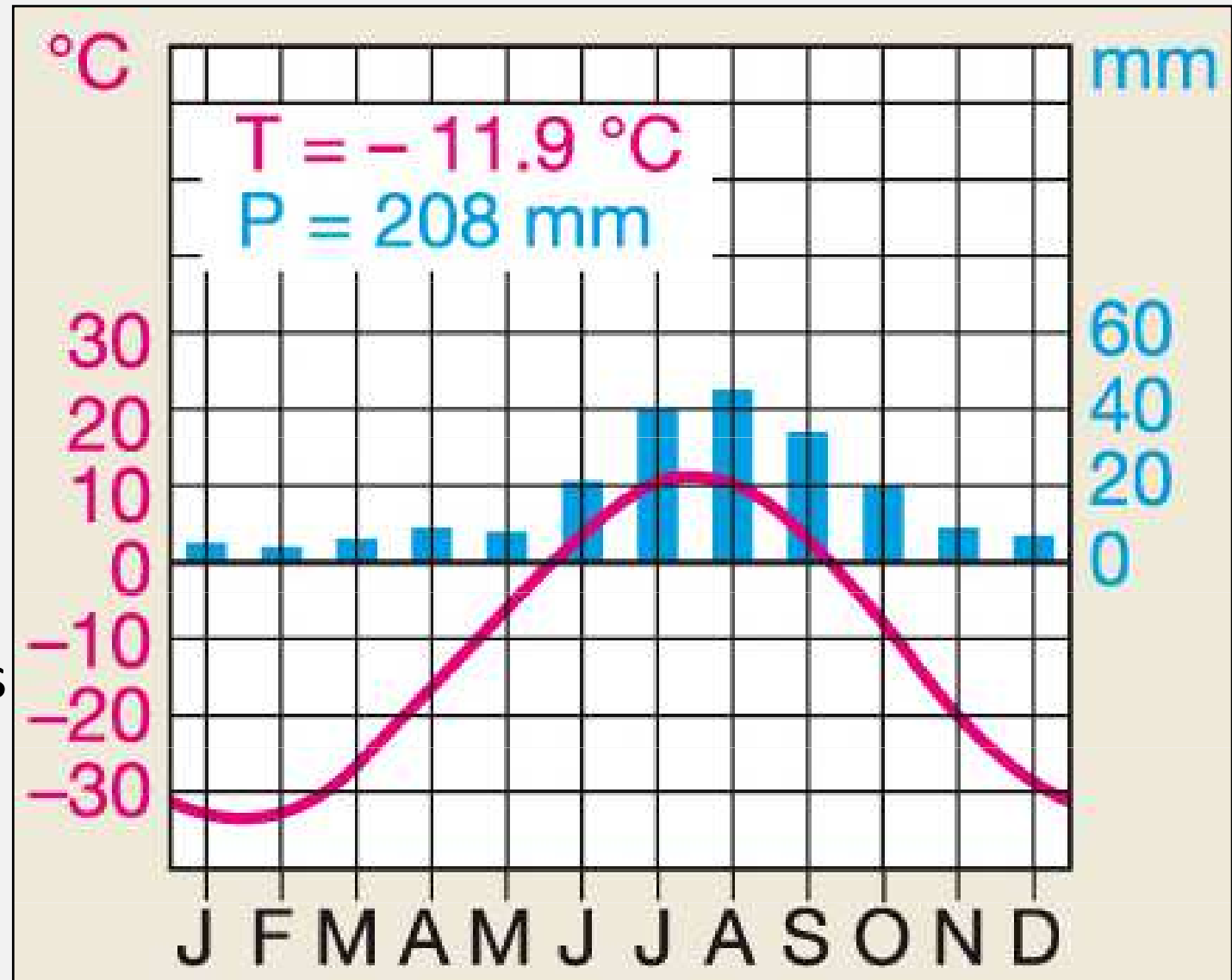
- A. biological
- B. frost wedging
- C. haloclasty
- D. thermal stress



**Q 29**

What biome does this climate graph correspond to?

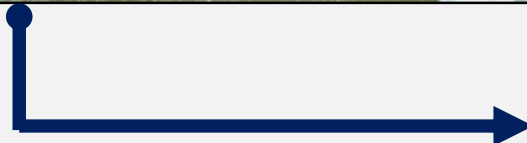
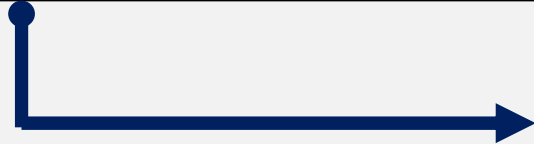
- A. coniferous forest
- B. rainforest
- C. savanna
- D. temperate deciduous forest



**Q 30**

The pictures below show a change in an urban environment. The process of this urban regeneration of an area is called:

- A. counter-urbanisation
- B. gentrification
- C. reurbanisation
- D. urban consolidation





**Q 31**

**This animation of time-lapsed images shows  
the evolution of:**

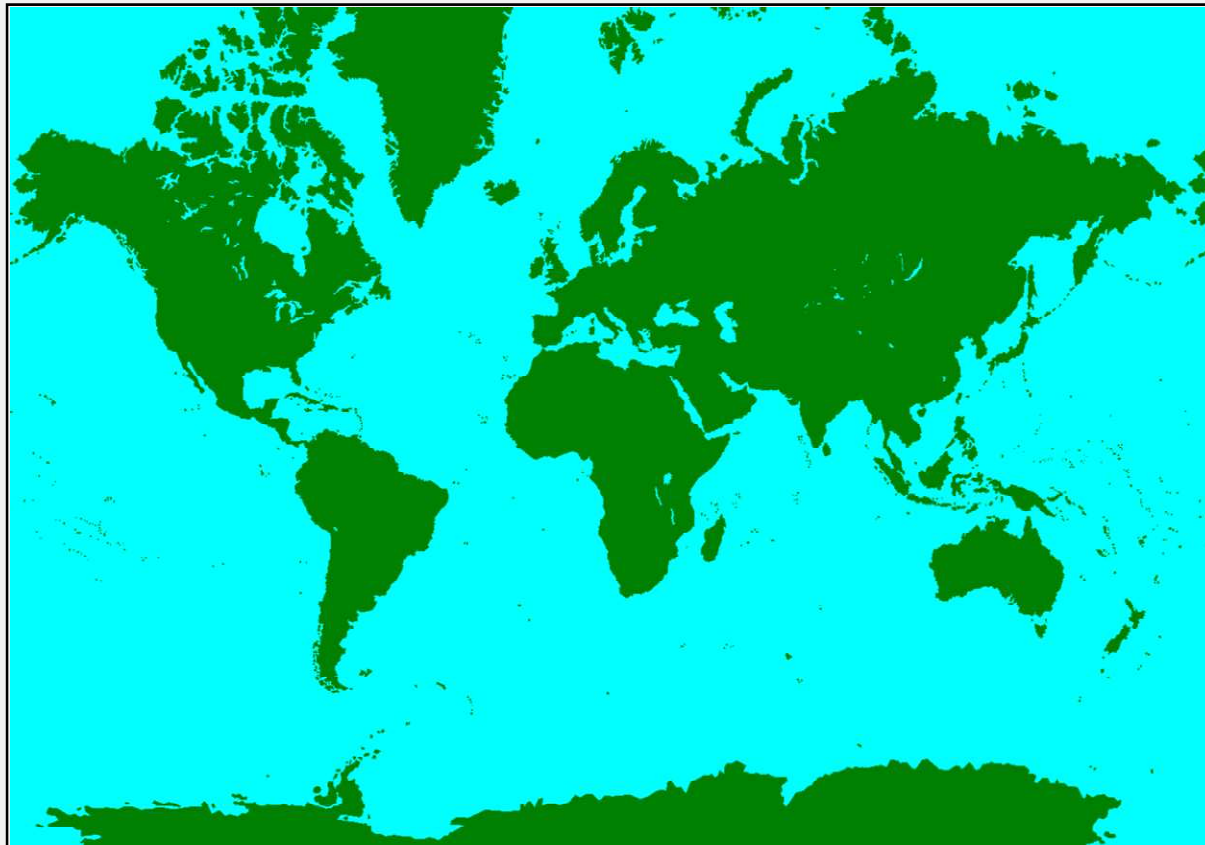
- A. Cairo
- B. Doha
- C. Dubai
- D. Riyadh



**Q 32**

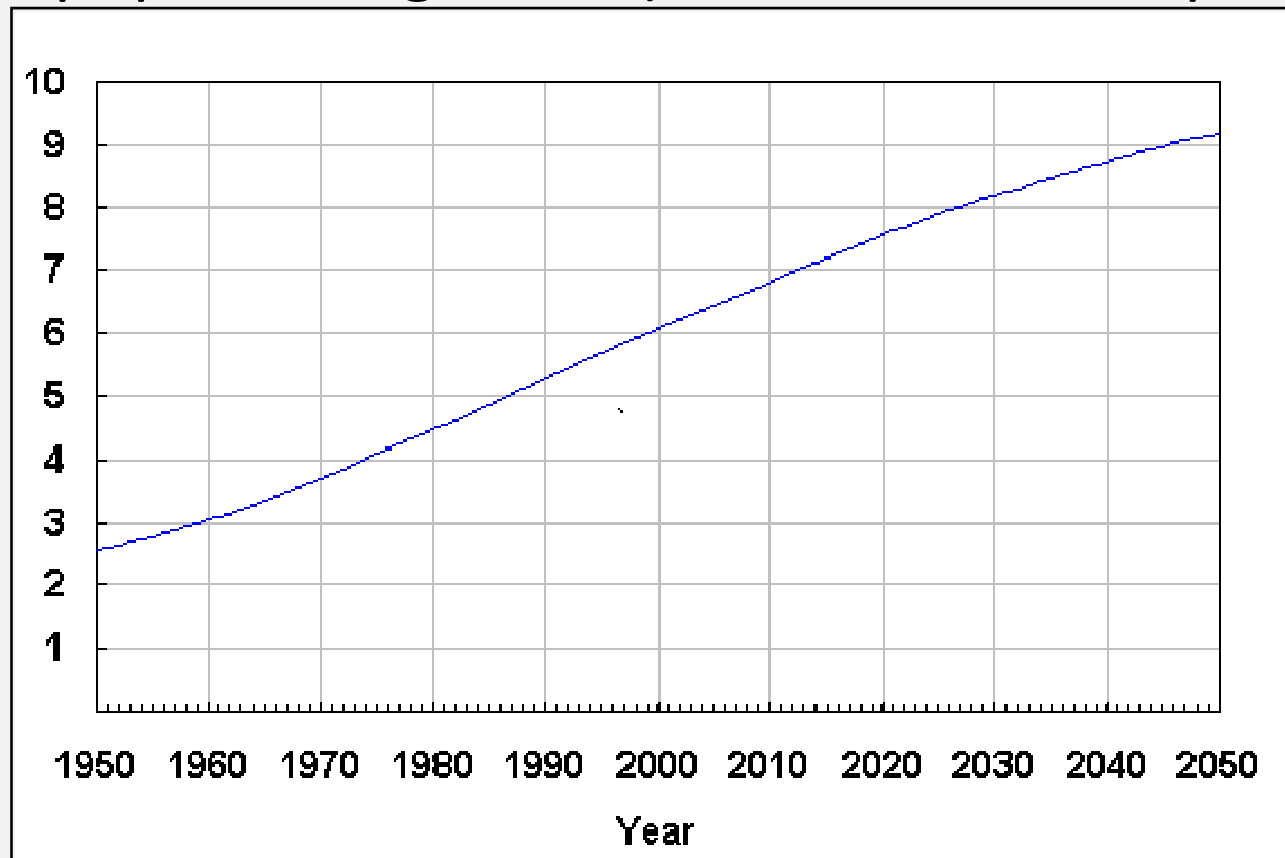
**Which element is accurately represented over the whole of the map with this map projection?**

- A. direction between a feature and surrounding features
- B. distance between a feature and surrounding features
- C. shape of a feature
- D. size of a feature



**This time-series graph shows the projection of:**

- A. business development plans for 15 members of the European Union ( $10^{14}$  €)
- B. iron ore mining growth (thousand tons per year)
- C. petrol price in world market (USD per litre)
- D. world population growth (thousand million people)



**Q 33**



**This movie is a statement of the need for:**

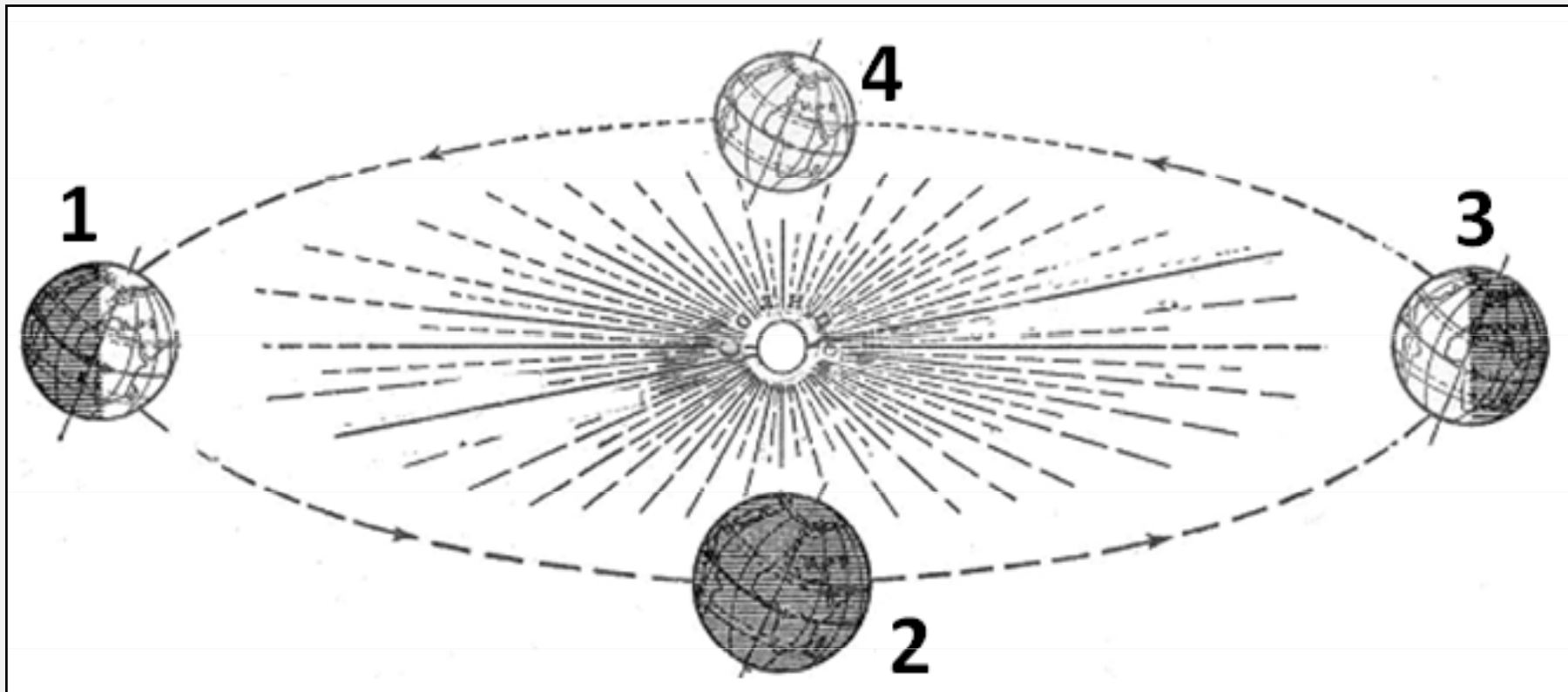
- A. wastewater treatment enforcement
- B. water consumption measurements in urban areas
- C. water control everywhere around the world
- D. clean drinking water for everyone

**Q 34**

**Q 35**

When the Earth is located at “point 3” in its orbit around the Sun, at which of these latitudes is the Sun’s noon elevation lowest?

- A.  $23.5^{\circ}\text{S}$     B.  $30^{\circ}\text{N}$     C.  $30^{\circ}\text{S}$     D.  $40^{\circ}\text{N}$



## Q 36

**This map of Europe shows the spread of:**

- A. the "Barbarian" invasions
- B. the Crusades
- C. the plague
- D. the establishment of medieval universities





## Q 37

**From the photo, what should you infer about economic conditions in the boy's country?**

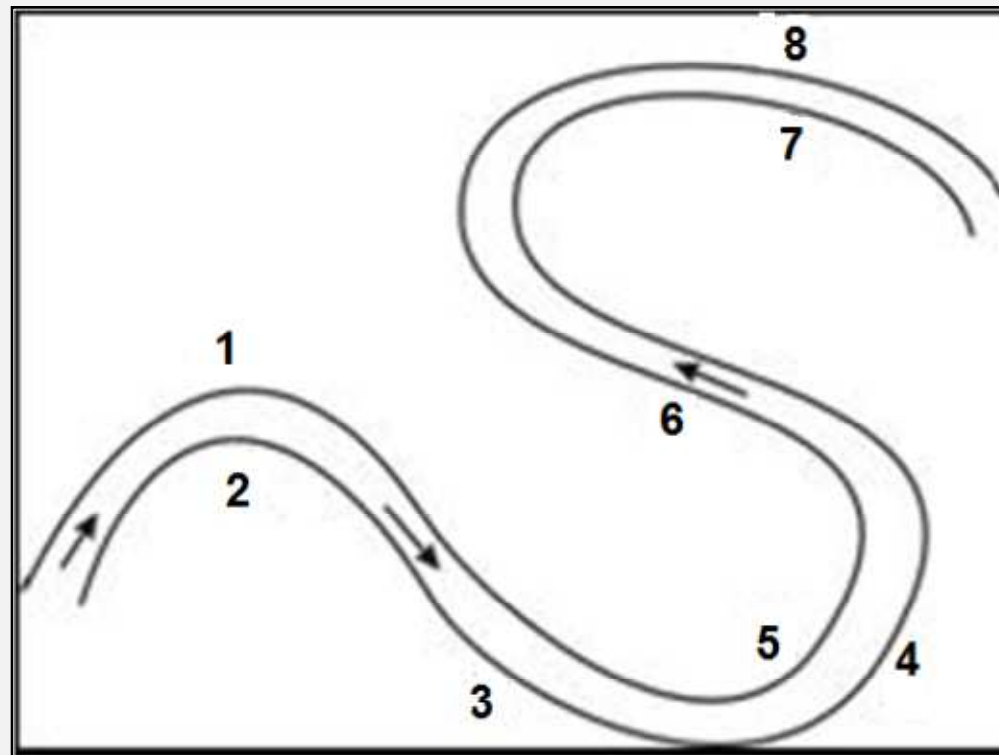
- A. good social welfare system
- B. high GDP
- C. high inflation rate
- D. low crime rates



**Q 38**

**Based on this diagram of a river, in which of these sections are erosion and sedimentation processes dominant?**

- A. erosion in 2 and 4; sedimentation in 1 and 3
- B. erosion in 1 and 4; sedimentation in 5
- C. erosion in 3; sedimentation in 7
- D. erosion in 7; sedimentation in 8



**Q 39**

**The table shows occupational data for the population of a town in a developing country. Which of these occupational categories employs the most workers in that town?**

- A. administration
- B. commerce
- C. communication
- D. manufacturing

Occupation	Percent (%)
Distributive trades	12
Engineering and electrical	13
Hotels and leisure	16
Metal working	1
Professional	5
Government offices	4
Retail trades	10
Textiles	35
Transport	4



**Q 40**

**What situation does the cartoon comment on?**

- A. Energy Crisis                      B. Global Warming  
C. No Nuclear Power              D. Not In My Back Yard

