

JUNIOR LYCEUM ANNUAL EXAMINATIONS 2006
Educational Assessment Unit – Education Division

FORM 3

GEOGRAPHY (Option)

Time: 1h 30min

NAME: _____

CLASS: _____

Section A: Map Reading

1. Refer to the OS Map of Dwejra Bay (Scale 1:2500) and answer all questions in this section.

(a) Give the grid reference in six figures of:

i) Qawra Tower _____

ii) Disused Quarry _____

(2 marks)

(b) What are the four figure grid references of:

i) Menqa ta' Kurrat _____

ii) North Point (Ir-Ras) _____

(2 marks)

(c) What is the compass direction from:

i) Qawra Tower to Fungus Rock _____

ii) South Point to Slipway _____

(2 marks)

(d) What would you actually find at each of these map references. Underline the correct answer.

474 373 (sand, footpath, valley)

458 345 (sand, cliff, fields)

(2 marks)

(e) What is the highest point of Fungus Rock? Give the height and the grid reference.

Height _____

Grid reference _____

(2 marks)

- (f) On the map itself indicate areas by the use of the corresponding letter where you would find:

| | |
|----------|----------------|
| A | A small island |
| B | Cliff |
| C | Headland |
| D | Valley |
| E | Boulder rocks |

(5 marks)

- (g) Calculate the shortest distance from the mainland to the Fungus Rock.

(2 marks)

- (h) Which of the following sentences best describes the Fungus Rock. Tick (✓) the correct answer.

| | |
|--|--|
| Fungus rock is more than 1km ² . | |
| Very steep cliffs surround the Fungus Rock. | |
| The northern side of the Rock is steeper than the southern side. | |

(1 mark)

- (i) Name an economic activity that was practised in this area in the past, but has now been discontinued.

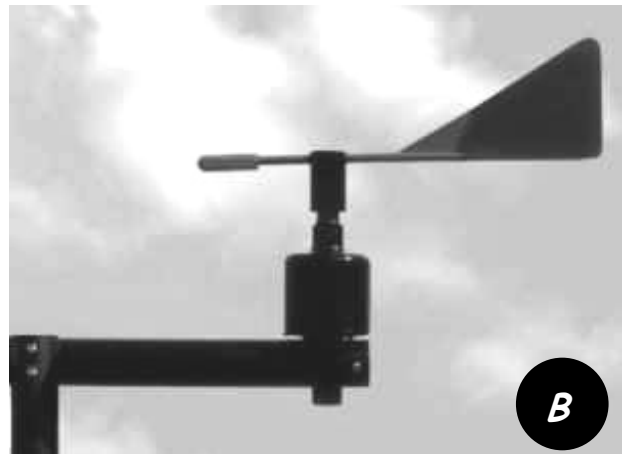
(1 mark)

- (j) Why do you think that the area shown by the map is unsuitable for settlement?

(1 mark)

Section B: Physical Environment

2. a. Name the two instruments shown in the drawings.



| | |
|--------------|--|
| Instrument A | |
| Instrument B | |

(2 marks)

b. For what purpose is instrument A used?

(1 mark)

c. For what purpose do we use instrument B?

(1 mark)

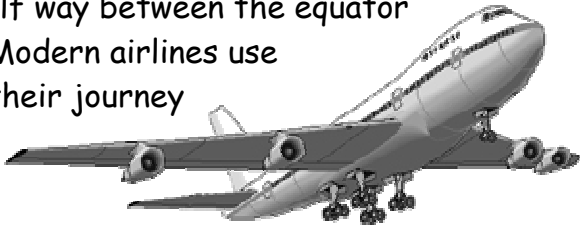
d. Match the following sentences. Then write them down in the space provided below.

| | |
|--|-------------------------|
| Warm air | more quickly than water |
| Cool air | low pressure |
| Land heats up and cools down | rises |
| Cold air sinks over the North Pole causing | sinks |
| Hot air rises over the Equator causing | high pressure |

(5 marks)

e. Underline the correct answer from those given in brackets.

The Jet Stream is a high-speed (wind / ocean) current generally moving from a (easterly / westerly / northerly) direction at speeds exceeding 400 kilometres per hour at altitudes over (5 / 8 / 10) km above the earth. It is found half way between the equator and the (North / South) pole. Modern airlines use the jet stream to save fuel on their journey (west / east / north).



(5 marks)

3. Refer to the world map (Map 2).

a. Name the country numbered **1** on the map. _____ .
(1 mark)

b. Name the city in country **1** that was devastated by an earthquake in 1755.

(1 mark)

c. Name two effects which destroyed the city during the earthquake of 1755.
_____ . _____
(2 marks)

d. What scale do we use to measure the strength of an earthquake?

(1 mark)

e. Name the island numbered **2** on the map. _____
(1 mark)

f. Name the mid-ocean ridge that runs through the middle of the Atlantic Ocean.

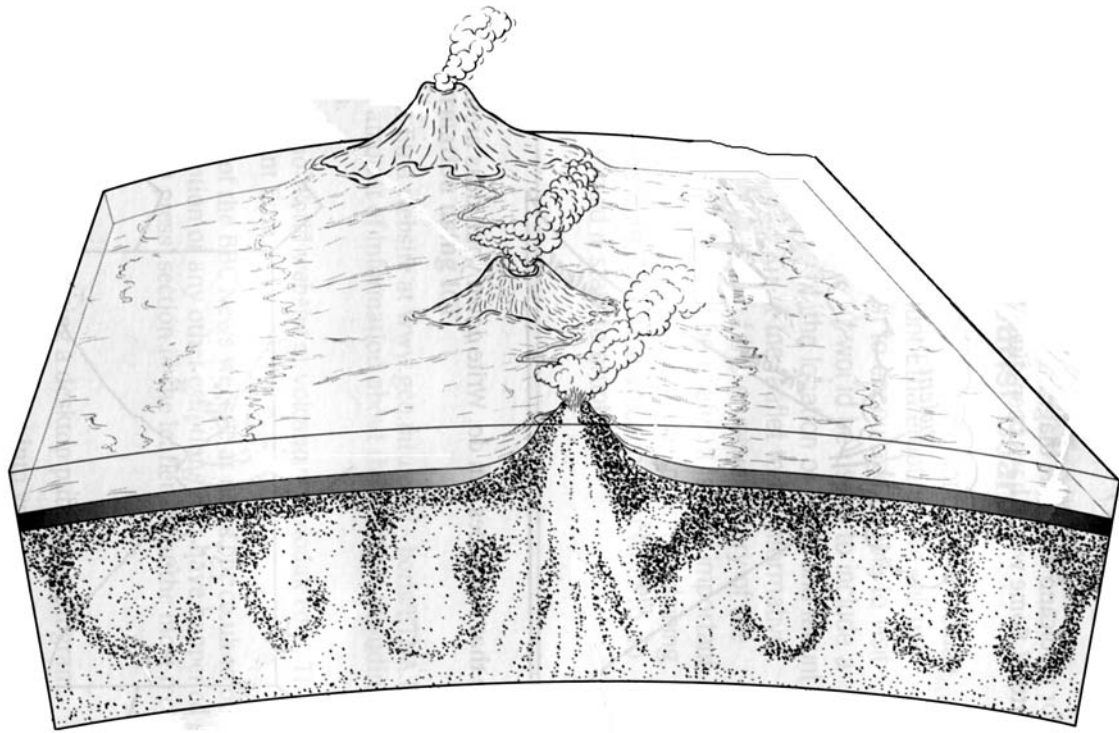
(1 mark)

g. Mark and label this mid-ocean ridge on the world map provided. (Map 2).

(1 mark)

h. The diagram on page 6 shows clearly what is happening at the mid-ocean ridge named in question 3f above. Now label the diagram as follows:

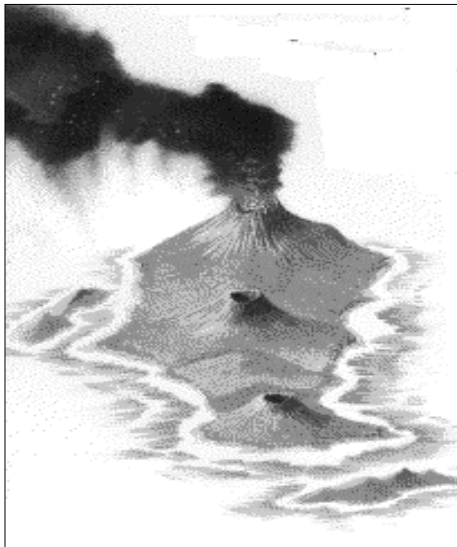
- i. the names of the two plates
 - ii. the Atlantic Ocean
 - iii. mid-ocean ridge
 - iv. mantle and crust
 - v. draw arrows to show plate movements
 - vi. draw arrows to show convection currents
- (9 marks)



i. Name the volcanic island numbered **3** on the world map. _____

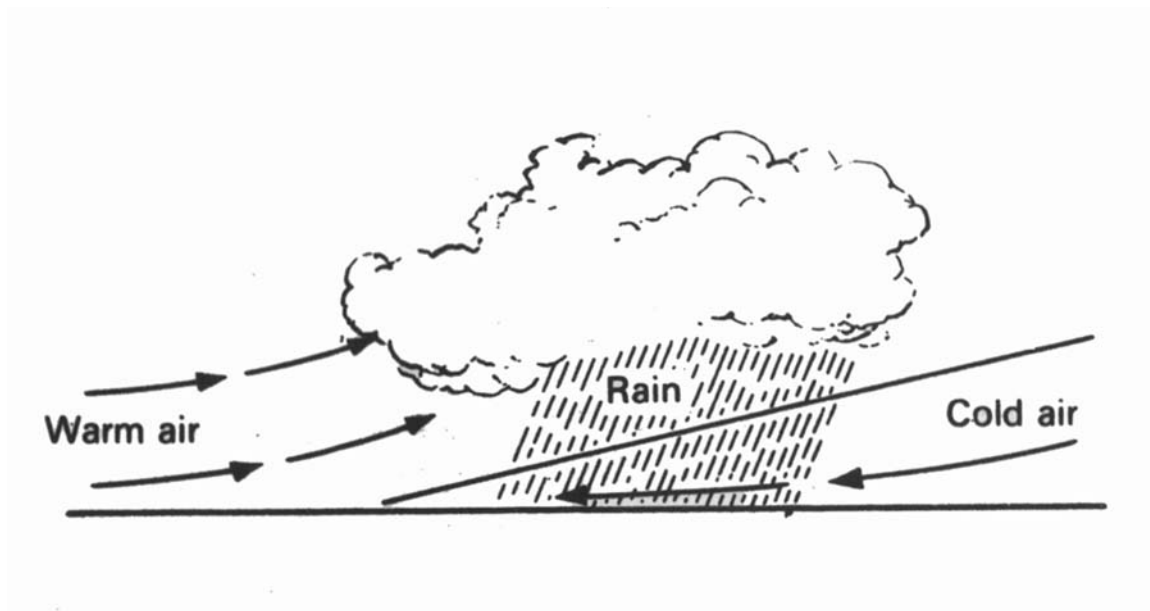
(1 mark)

j. Briefly describe what happened to island **3** in 1883.



(3 marks)

4. Study carefully the diagram below.



a. What type of rainfall does the diagram represent?

(1 mark)

b. What do we call the line separating cold air from warm air?

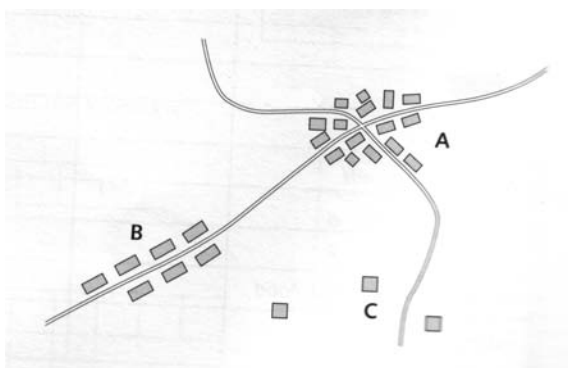
(1 mark)

c. Briefly describe what is happening in the diagram.

(3 marks)

Section C: Human Environment

5 a. Look at the settlements A, B, and C on the diagram. Now continue the following.



A is a _____ settlement.

B is a _____ settlement.

C is a _____ settlement.

(3 marks)

b. Write a definition for each type of settlement pattern named in (a) above.

(3 marks)

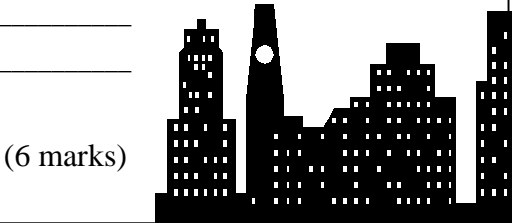
6 a. Name the country numbered **4** on the world map (Map 2). _____

(1 mark)

b. The twin cities of Osaka and Kobe are found in country **4**. Name two natural hazards that these cities have to face from time to time.

(2 marks)

c. Name and explain briefly 3 problems that have resulted from urban growth in Osaka-Kobe.



(6 marks)

7 a. Name the country numbered **5** on the world map. (Map 2). _____

(1 mark)

b. In the past many people left country **5** to look for work in Germany. Mark this movement of people by an arrow on the world map.

(1 mark)

c. Suggest two reasons which might have led to migration from country 5 to Germany.

(2 marks)

d. What do we call those factors that encourage people to leave a country and those factors that attract people to a country?

(2 marks)

e. Name two problems that might arise in country 5 when large numbers of migrants leave to work in Germany.

(2 marks)

f. Name two advantages for Germany resulting from large numbers of migrants from country 5.

(4 marks)

8 a. Name the cities numbered 6, 7, 8 and 9.

| | | | |
|---|--|---|--|
| 6 | | 8 | |
| 7 | | 9 | |

(4 marks)

b. Match the following descriptions with the names of cities given in question 8(a).

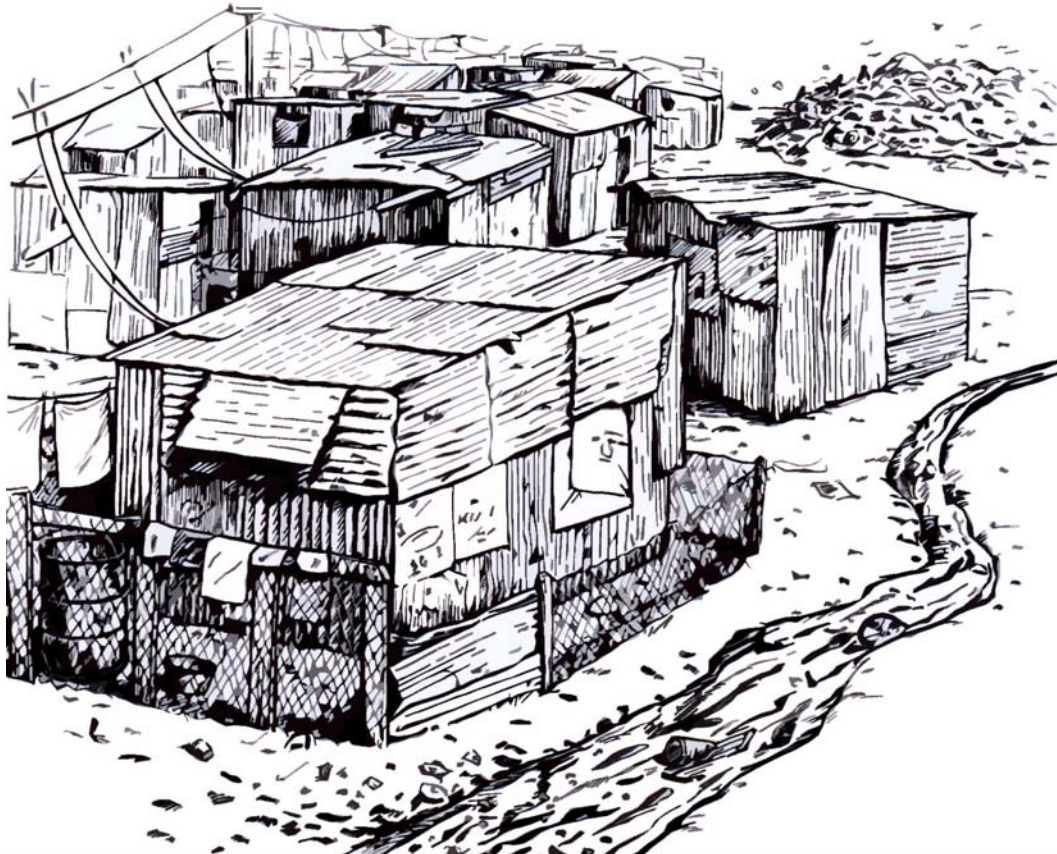
| Description | Name of City |
|---|--------------|
| Immigrants to this city 'camp' in roof-top slums on top of offices and other buildings. | |
| Over 1 million people live in favelas which are mostly built on hillsides. | |
| A new planned town in the middle of the Amazonian Rainforest. | |
| The city suffers from flooding that can result from heavy monsoon rainfall. | |

(4 marks)

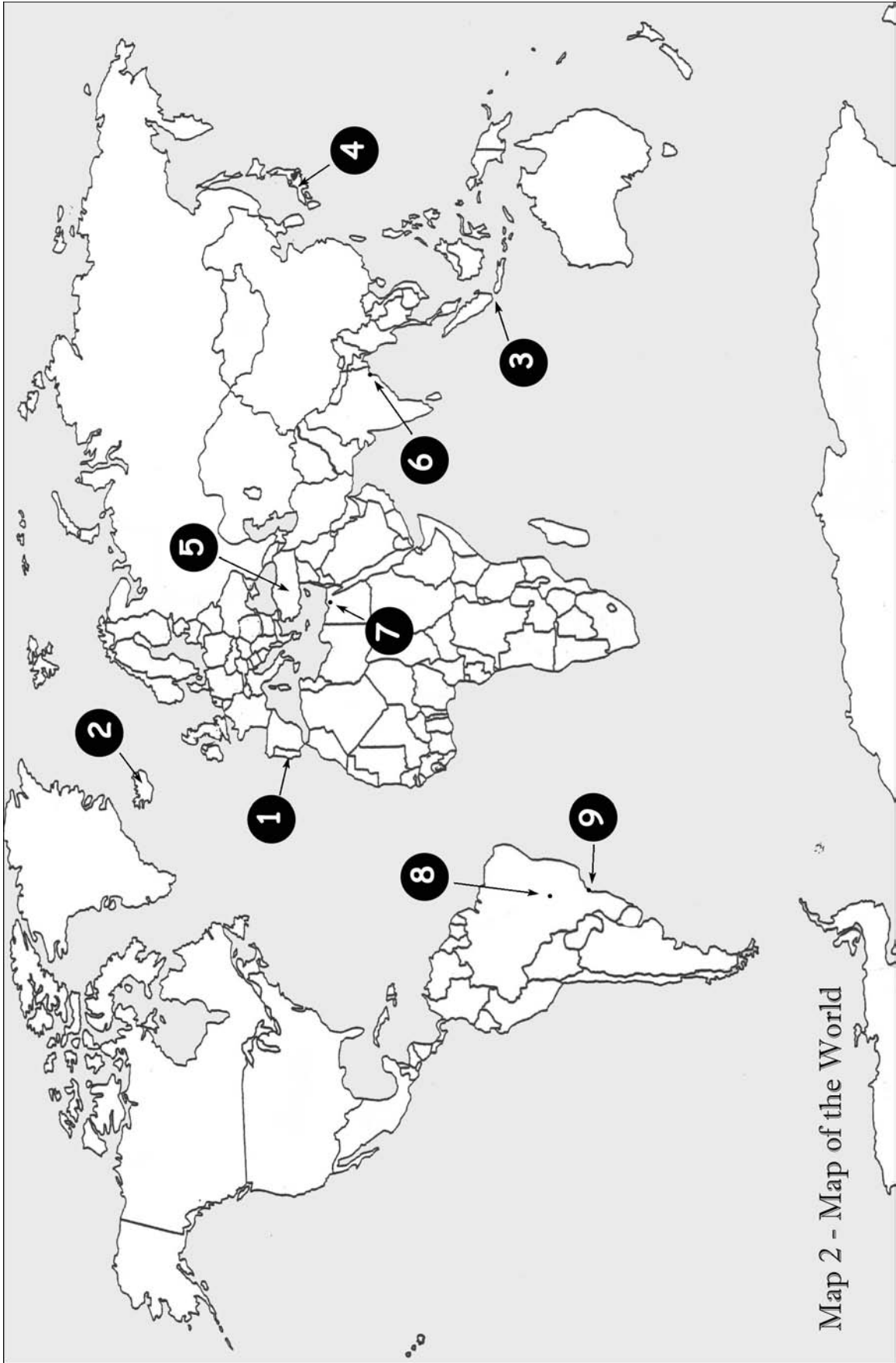
c. Look carefully at the drawing below. It shows a kind of shelter constructed out of scrap material.

i. What do we call such a settlement? _____ (1 mark)

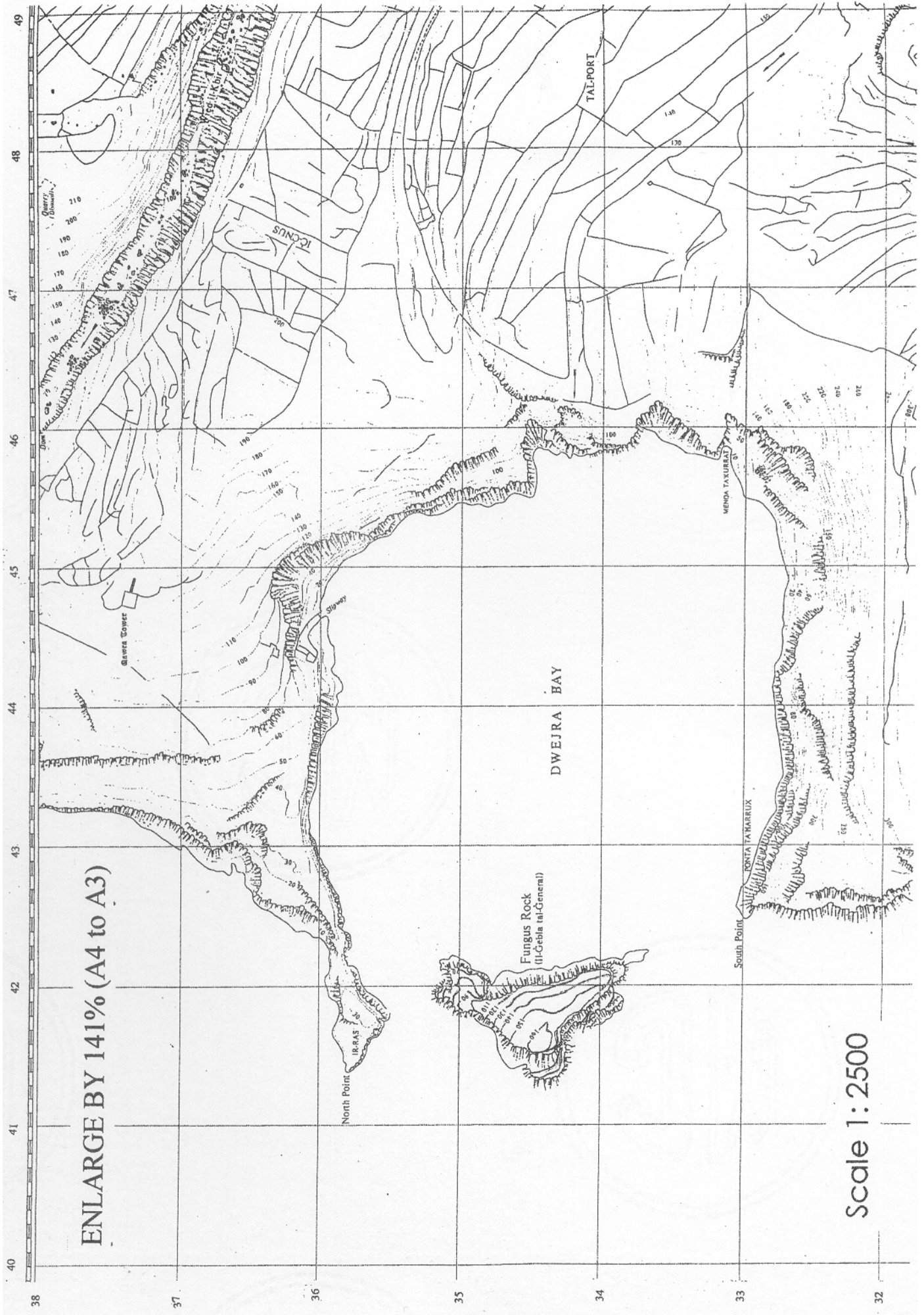
ii. Describe the conditions of this type of settlement as seen in the diagram.



(4 marks)



Map 2 - Map of the World



ENLARGE BY 141% (A4 to A3)

Scale 1:2500