

MARKER CODE				



STUDENT ENROLMENT NUMBER (SEN)									

TONGA SCHOOL CERTIFICATE

2018

GEOGRAPHY

QUESTION AND ANSWER BOOKLET

Time Allowed: 3 Hours

INSTRUCTIONS:

1. Write your **Student Enrolment Number (SEN)** on the top right-hand corner of this page.
2. This paper consists of **THREE SECTIONS** and is out of **70 Skill Level**.

SECTION	TOPICS	TOTAL SKILL LEVEL
A	GEOGRAPHIC SKILLS AND IDEAS	18
B	PHYSICAL ENVIRONMENT	20
C	CULTURAL ENVIRONMENT	32
	TOTAL	70

3. Answer **ALL** questions in the spaces provided in this booklet.
4. In addition to this booklet, you should also receive a **topographic map of South Eastern Tongatapu Sheet No. 78/1**.
5. Use a **BLUE** or **BLACK** ball point pen only for writing. Use pencil **ONLY** for drawings.
6. If you need more spaces for answers, ask the supervisor for extra paper. Write your **Student Enrolment Number (SEN)** on each additional sheet, number the questions clearly and insert them in the appropriate part of your booklet.
7. Check that your paper consists of **19** pages and that none of the pages is blank.

YOU MUST HAND IN THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

SECTION A: GEOGRAPHIC SKILLS AND IDEAS

Answer **ALL** the questions in this section. You should spend about 42 minutes in this section.

Question One: Map Reading

Use the **Topographic Map of South Eastern Tongatapu** on **Sheet No. 78/1** to answer the questions that follow.

a. DIRECTION

State the **direction** of Taliai Camp from Nakolo.

Skill level 1	
1	
0	
NR	

b. LOCATION

Name the **natural feature** at grid reference 913509

Skill level 1	
1	
0	
NR	

c. DISTANCE

Measure the **distance** by road from 'Oholei Beach Picnic Resort to the school at Ha'asini.

Skill level 2	
2	
1	
0	
NR	

d. PROCESSES

Describe **ONE** (1) tourism activity that operates in the villages of South Eastern Tongatapu.

Skill level 2	
2	
1	
0	
NR	

e. LOCATION AND ACCESSIBILITY

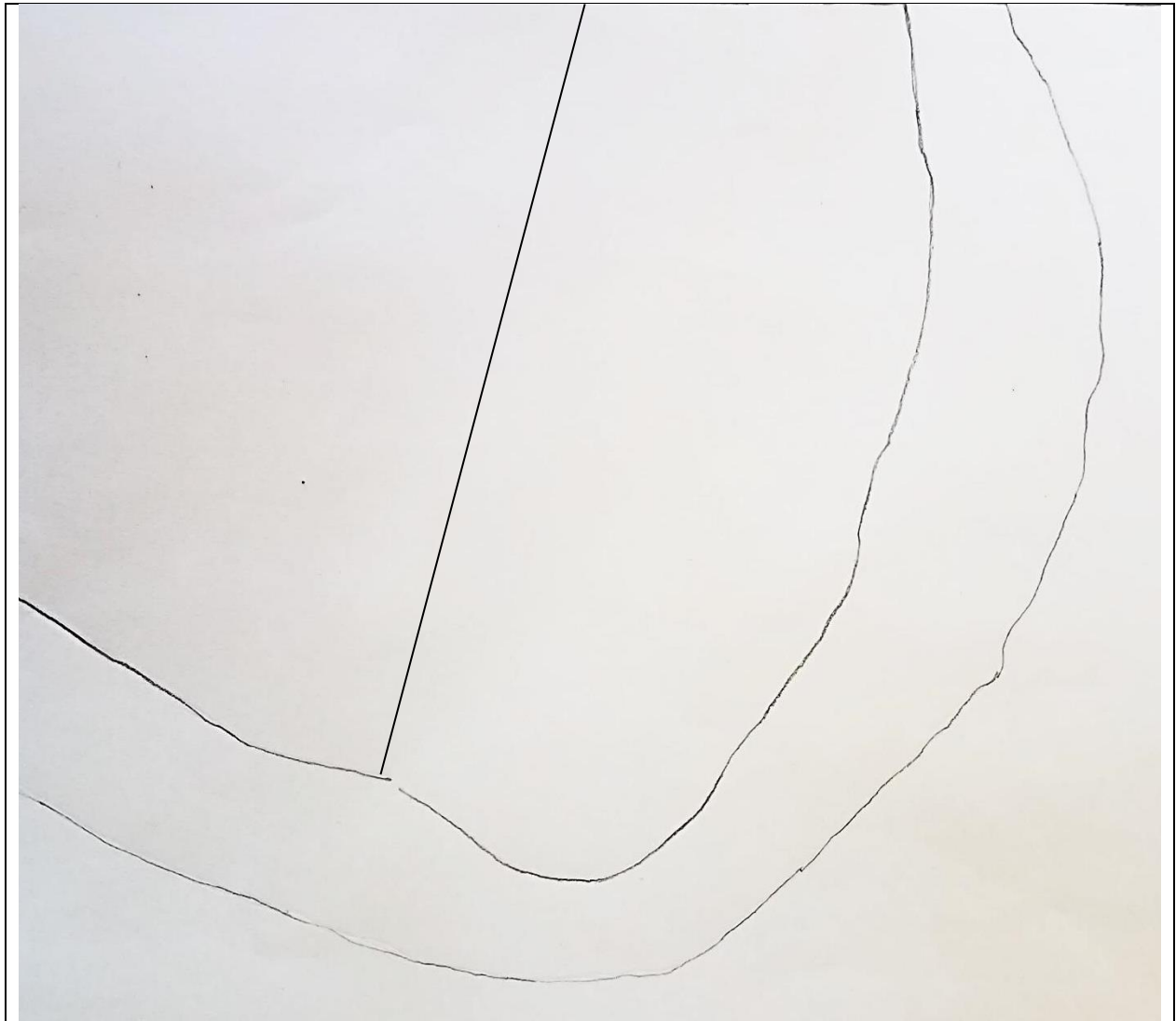
Describe **ONE** (1) factor that determines the **location** of the main road at South Eastern Tongatapu.

Skill level 2	
2	
1	
0	
NR	

Question Two: Map Drawing

On the précis sketch map below, locate the following:

- i. Tuku'aho road
- ii. Taliai camp



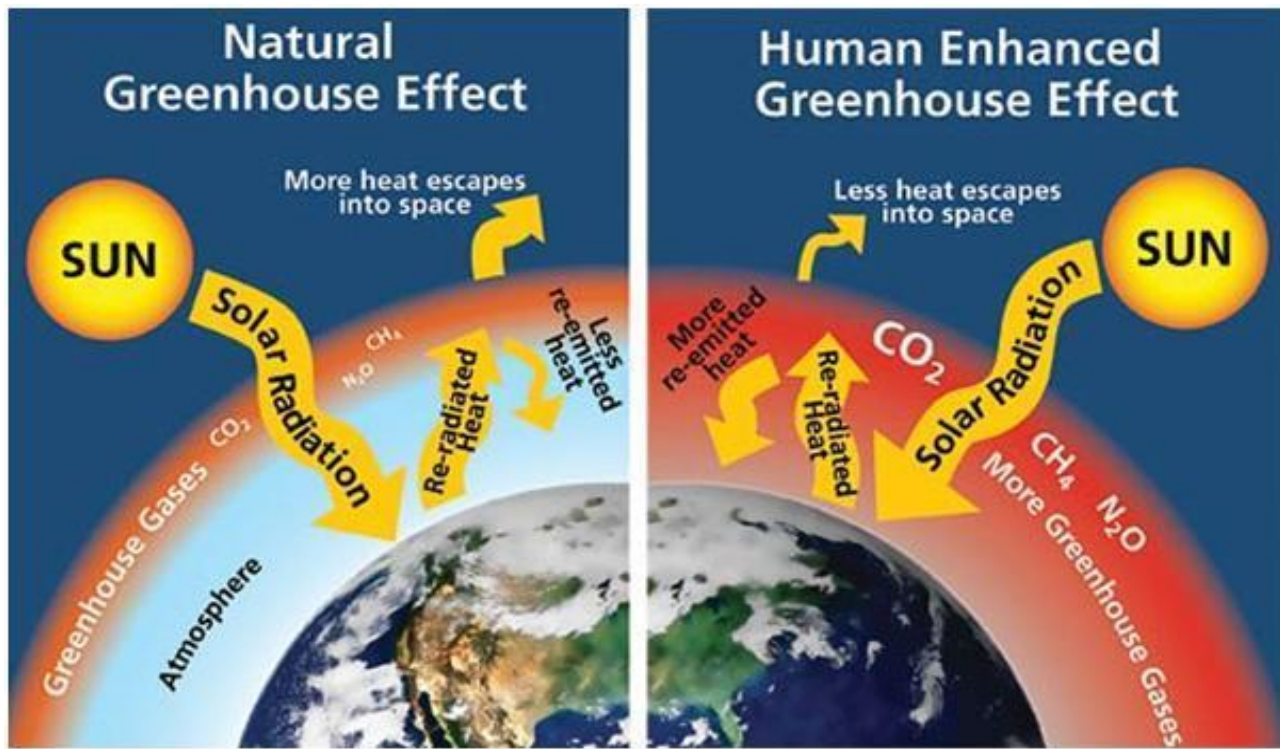
KEY

	i. Tuku'aho road
	ii. Taliai camp

Skill level 1	i.	ii.
1		
0		
NR		

Question Three: Geographic Ideas / Changes

Study the photos carefully then answer the questions that follow.



Source: <https://cre.uconn.edu/climatescience>

- a. Name the **factor** that causes the change to the amount of heat that escapes into space.

- b. Describe **ONE (1) change** that occurs to the Greenhouse gases.

Skill level 1	
1	
0	
NR	

Skill level 2	
2	
1	
0	
NR	

Question Four: Graph Interpretation

Use the table below to answer the questions that follow.

PERCENTAGE OF POPULATION DISTRIBUTION IN TONGA 1996 – 2016

DIVISIONS	YEARS		
	1996 in %	2006 in %	2016 in %
ONGO NIUA	2	2	1
‘EUA	5	5	5
HA’APAI	8	7	6
VAVA’U	16	15	14
TONGATAPU	69	71	74
TOTAL	100	100	100

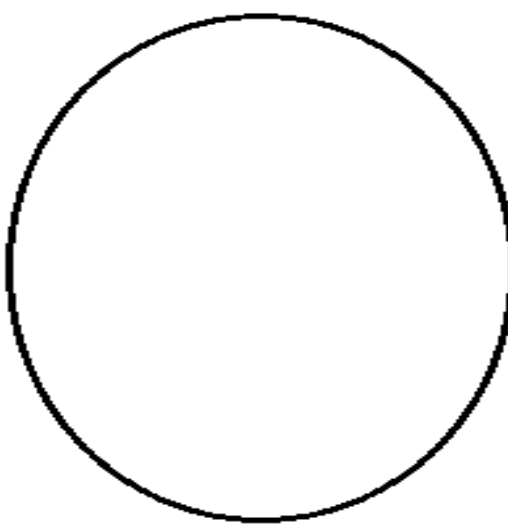
Source: www.tripconsultants.com

- a. State the term that best describes the pattern of population distribution of Tonga 1996-2006.

Skill level 1	
1	
0	
NR	

- b. Use the table to construct a pie graph to show the population distribution of Tonga in 2016.

TITLE : _____



KEY	
	Ongo Niua
	‘Eua
	Ha’apai
	Vava’u
	Tongatapu

Skill level 4	
4	
3	
2	
1	
0	
NR	

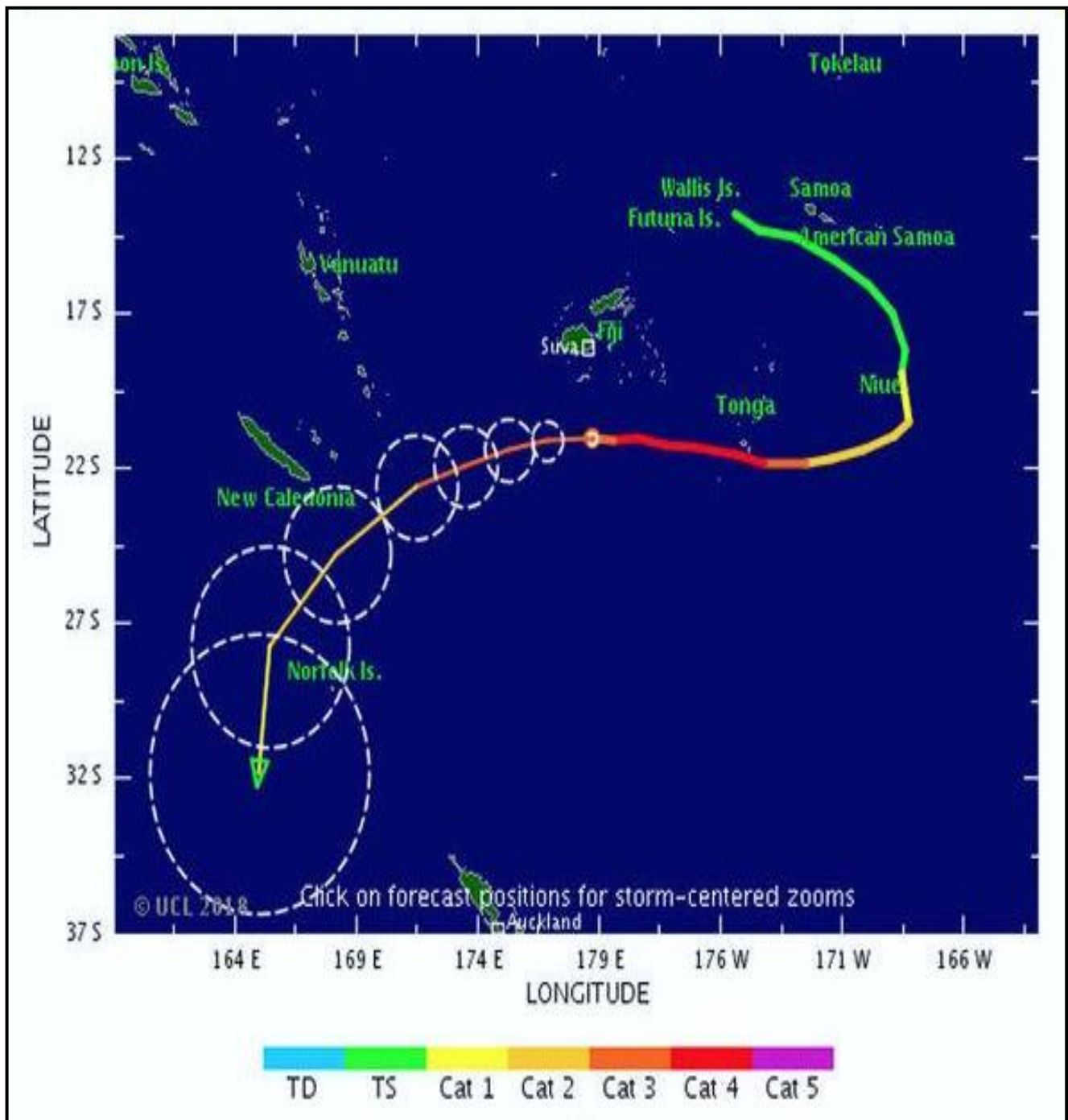
SECTION B: PHYSICAL ENVIRONMENT

Answer **ALL** questions in this section. You should spend about 48 minutes in this section.

Question Five: Climate

Study the map below carefully then answer the questions that follow.

PATHWAY OF CYCLONE GITA 2018



- a. Name the **ONE (1) summer month** in which tropical cyclone occurred in the Southern hemisphere.

Skill level 1	
1	
0	
NR	

- b. Identify **ONE (1)** factor shown on the map that causes tropical cyclone.

Skill level 1	
1	
0	
NR	

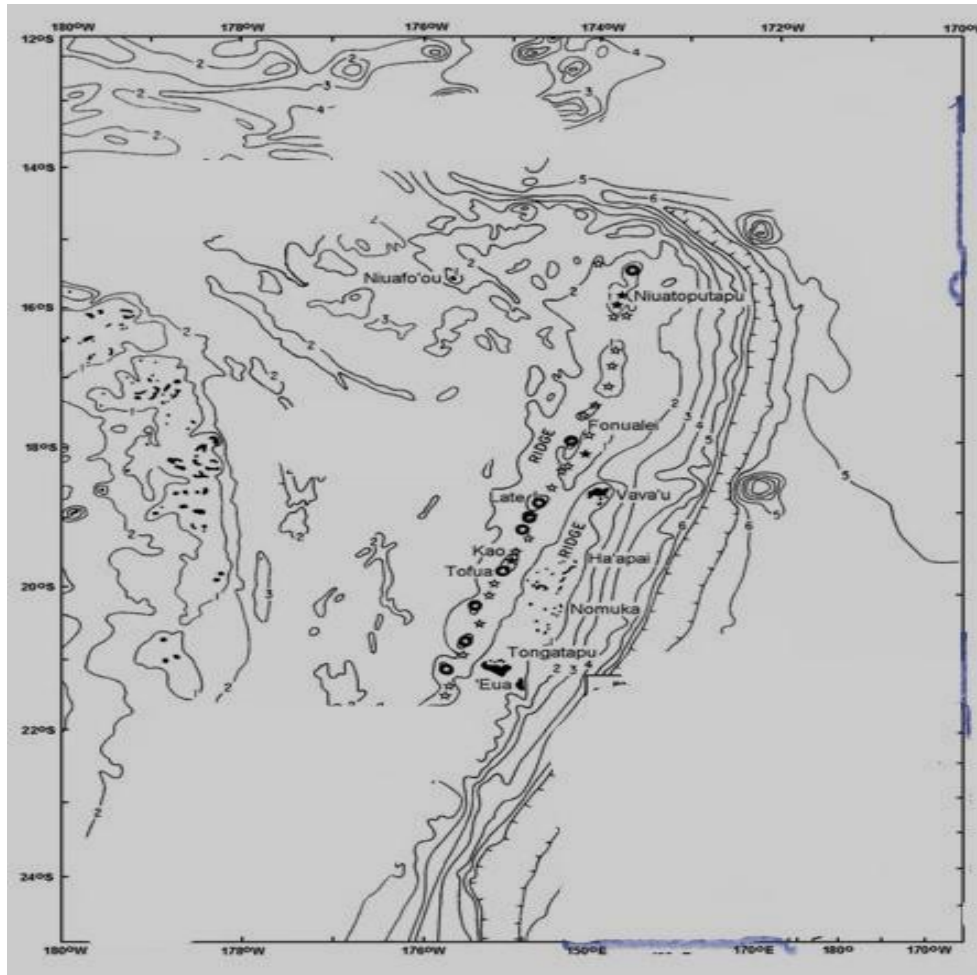
- c. Describe the **pathway** in which Cyclone Gita traveled from 17° to 22° South latitude.

Skill level 2	
2	
1	
0	
NR	

Question Six: Relief

Study the map below and use it to answer the questions that follow.

ISLANDS OF TONGA



Skill level 1	
1	
0	
NR	

- a. Shade the **part of Tonga** where volcanic islands are located.

Skill level 1	
1	
0	
NR	

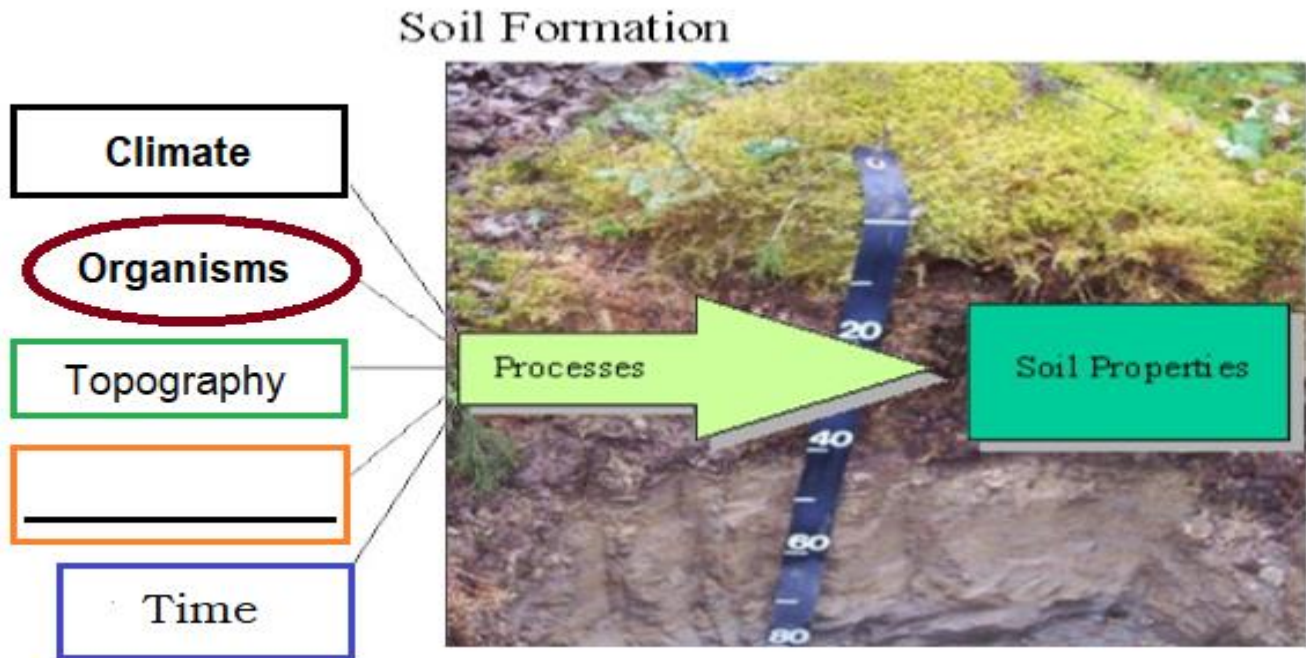
- b. Name **ONE** (1) example of a coral island.

- c. Describe **ONE** (1) **distinctive relief feature** of a volcanic island.

Skill level 2	
2	
1	
0	
NR	

Question Seven: Soil

Study the resource below and use it to answer the questions that follow.



Source: <http://www.behance.net/rubel570>

- Fill in the box with the missing **factor** that forms soil.
- Describe the **process** of forming soil by organisms.

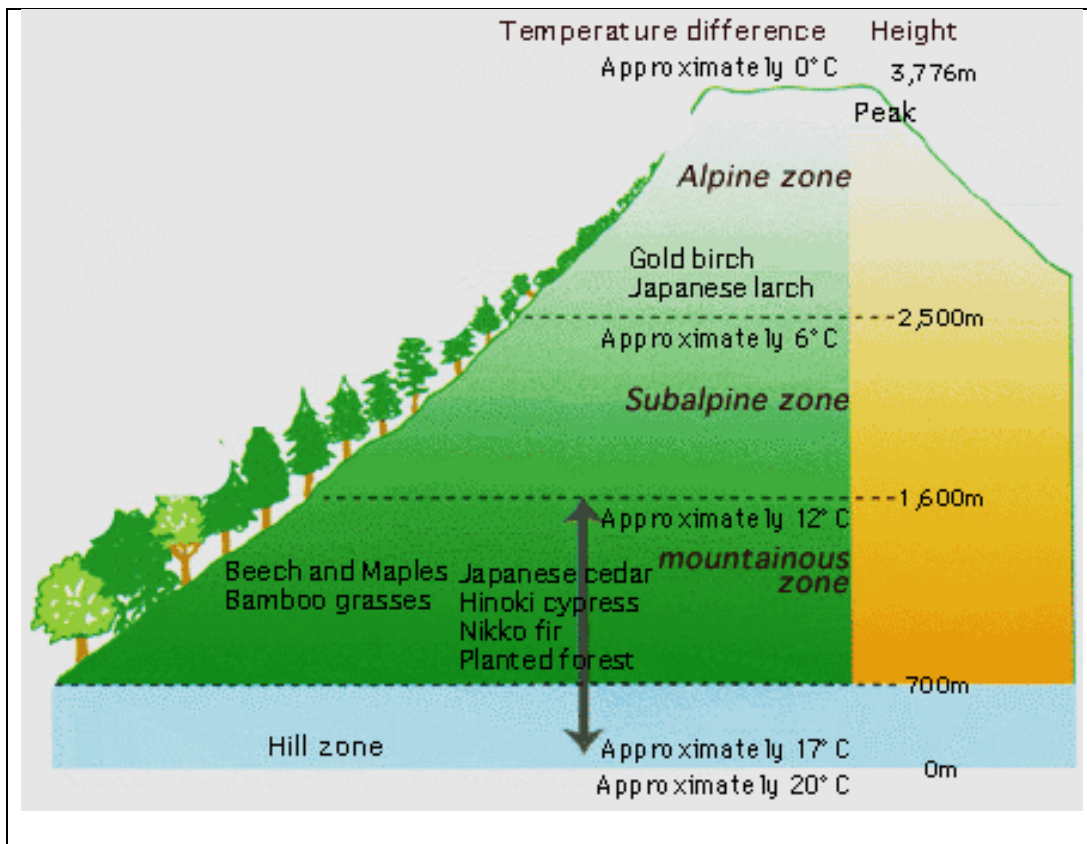
Skill level 1	
1	
0	
NR	

- State **ONE** (1) importance of soil.

Skill level 1	
1	
0	
NR	

Question Eight: Interactions

Study the diagram below carefully then use it to answer the questions that follow.



Source: <https://uwsslec.libguides.com/c.php?g=186848&p=1236518>

- a. Describe the interaction between relief and vegetation.

Skill level 2	
2	
1	
0	
NR	

- b. Describe the effect of height on temperature.

Skill level 2	
2	
1	
0	
NR	

Question Nine: Environmental Issues

Use the poem below to answer the questions that follow.

LITTERING

When you see litter in the streets
And the air smells of pollution
When you feel like it's all piling up
Remember there is a solution

There's something each of us can do
To keep the rivers clean
To keep fresh the air we breathe
And keep the forests green

Help clean a beach
Or recycle bottles and cans
Learn about the problems we face
And help others understand

It doesn't have to be a lot
If we each just do our share
So take time out on Earth Day
To show the Earth you care



- a. Describe **TWO** (2) **negative effects** of littering on the environment.

Skill level 2	
2	
1	
0	
NR	

- b. Describe **ONE** (1) effective solution for littering in Tonga.

Skill level 2	
2	
1	
0	
NR	

SECTION C: CULTURAL ENVIRONMENT

You should spend about 90 minutes in this section

Question Ten: Tourism Studies

Use the text below and use it to answer the questions that follow.

Welcome to the Ministry of Tourism Tonga

Located to the west of the International Dateline (South-East of Fiji and South of Samoa), Tonga is the first Pacific nation to greet the new day.

Tonga has dramatic and active volcanic landscapes, spectacular tropical rainforest, low-lying coral atolls, pristine coral reefs, magnificent sandy beaches and a unique and beautiful array of flora and fauna.

There is so much to see, do and experience when you visit Islands such as Tongatapu, Vava'u, Ha'apai and 'Eua. Those seeking adventure can go scuba diving, snorkeling, whale watching, fishing, surfing, hiking, camping, kayaking, horse riding, sailing and much more. In addition to all of the activities, travelers can simply enjoy the gentle pace of our Island lifestyle, observe our authentic and timeless culture, participate in our daily rituals and experience the generosity and hospitality of our people.

Source: <http://tourismtonga.gov.to/>

a. Give **TWO** (2) named examples of natural attractions in Tonga.

- i. _____
- ii. _____

Skill level 1	
1	
0	
NR	

b. Identify **TWO** (2) factors that promote the growth of tourism in Tonga.

- i. _____
- ii. _____

Skill level 1	
1	
0	
NR	

c. Describe **ONE** (1) positive impact of tourism on the people of Tonga.

Skill level 2	
2	
1	
0	
NR	

Use EITHER Tonga OR New Zealand

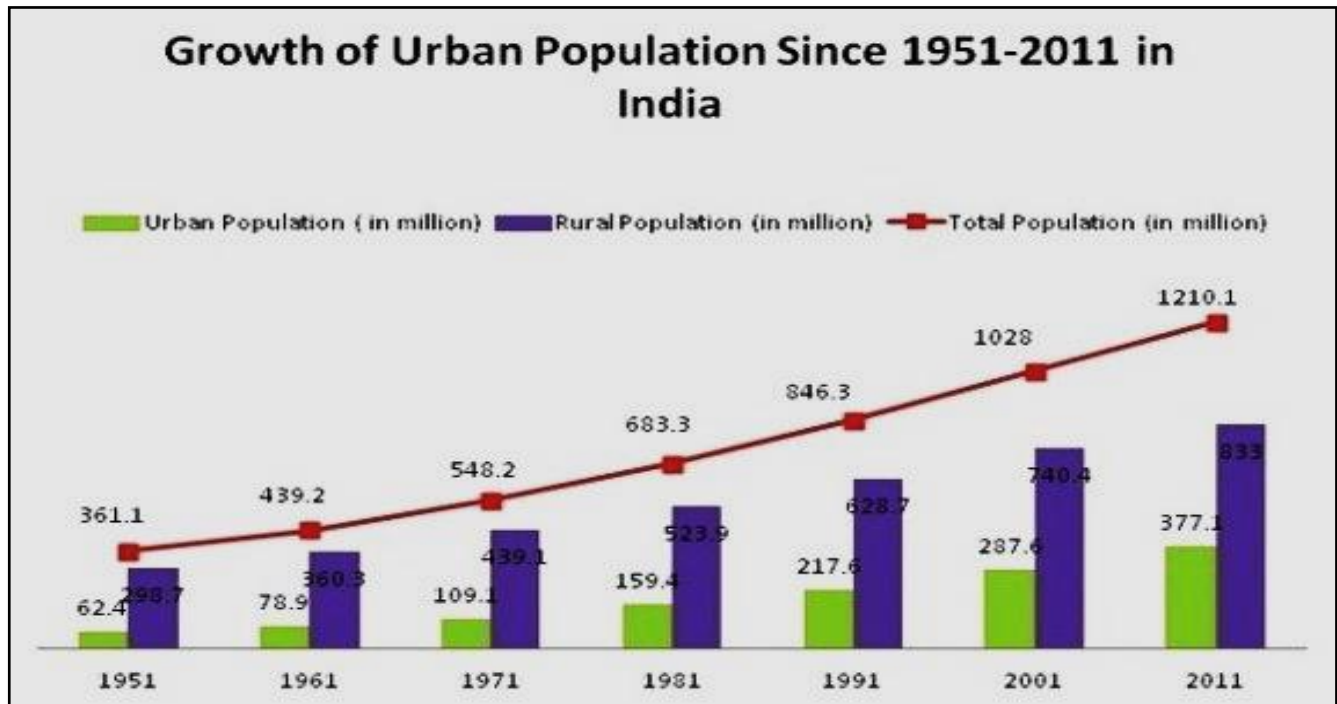
With reference to named examples, write paragraphs to:

* **RECOMMEND** solutions to solve the negative impacts of tourism on the environment.

Skill level 4	
4	
3	
2	
1	
0	
NR	

Question Eleven: Population Studies

Study the graph below and answer the questions that follow.



Source: <http://www.indiaspend.com/investigations/urbanisation-sounds-great-but-who-has-the-money-to-fund-it>

- a. Identify the **pattern** of India's total population growth from 1951 to 2011.

Skill level 1	
1	
0	
NR	

- b. State **ONE** (1) factor that influence the population growth of India.

Skill level 1	
1	
0	
NR	

- c. Describe **TWO** (2) problems associated with the high population growth in India.

Skill level 2	
2	
1	
0	
NR	

Use EITHER Tonga OR India

With reference to named examples, write paragraphs to:

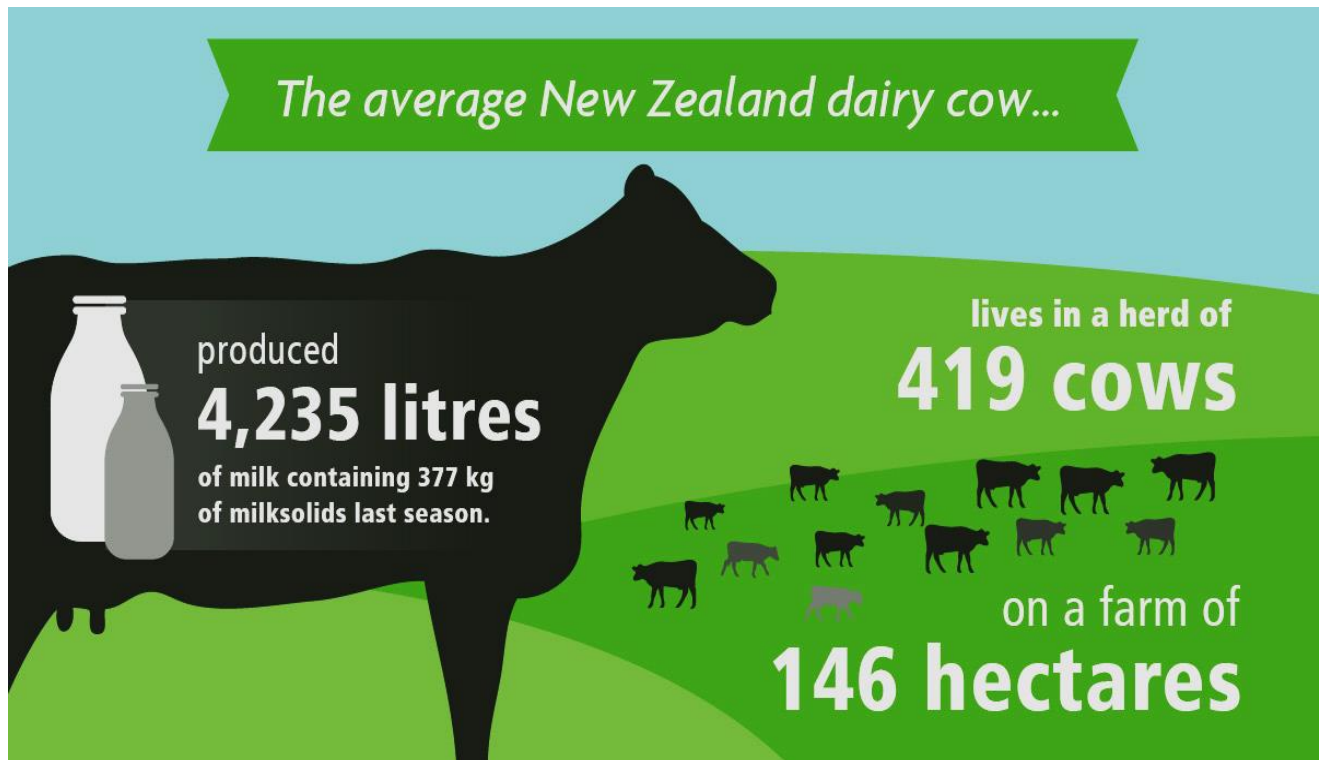
- **ANALYSE** the factors that influence population distribution.

[illegible]

Skill level 4	
4	
3	
2	
1	
0	
NR	

Question Twelve: Agriculture

Study the diagram below and use it to answer the questions that follow.



a. Name **TWO** (2) products produced from dairy cows.

- i. _____
- ii. _____

Skill level 1	
1	
0	
NR	

b. Dairy farming is an example of Commercial farming. Define Commercial farming.

Skill level 1	
1	
0	
NR	

c. Describe **ONE** (1) feature of dairy farming.

Skill level 2	
2	
1	
0	
NR	

Use EITHER Tonga OR New Zealand

With reference to named examples, write paragraphs to:

- **JUSTIFY** the importance of agriculture to the country's economy.

Skill level 4	
4	
3	
2	
1	
0	
NR	

Question Thirteen: Manufacturing And Trade

Study the photograph below and answer the questions that follow.

A Fuji Heavy Industries Ltd. Employee assembles a Toyota Motor Corp.



- a. Name **ONE** (1) product produced by heavy industry in Japan.

Skill level 1	
1	
0	
NR	

- b. The photo shows secondary industry. Define the term secondary industry.

Skill level 1	
1	
0	
NR	

- c. Describe **ONE** (1) factor that contributes to the growth of heavy industries in Japan.

Skill level 2	
2	
1	
0	
NR	

Use EITHER Tonga OR Japan

With reference to named examples, write paragraphs to:

- **EVALUATE** the importance of manufacturing industries to the people of the country.

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal blue or grey lines across its entire width, typical of notebook paper. There are no margins, text, or other markings on the page.

Skill level 4	
4	
3	
2	
1	
0	
NR	