



GOVERNMENT OF SAMOA  
MINISTRY OF EDUCATION, SPORTS AND CULTURE

STUDENT EDUCATION NUMBER

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# Samoa School Certificate

# GEOGRAPHY

# 2021

## QUESTION and ANSWER BOOKLET

Time allowed: 3 Hours & 10 minutes

### INSTRUCTIONS

1. You have 10 minutes to read **before** you start the exam.
2. Write your **Student Education Number (SEN)** in the space provided on the top right hand corner of this page.
3. **Answer ALL QUESTIONS.** Write your answers in the spaces provided in this booklet.
4. If you need more space, ask the Supervisor for extra paper. Write your SEN on all extra sheets used and clearly number the questions. Attach the extra sheets at the appropriate places in this booklet.

STRANDS		Pages	Time (min)	Weighting
MULTIPLE CHOICE		2	30	25
STRAND 1:	PHYSICAL ENVIRONMENT	9	30	15
STRAND 2:	POPULATION AND SETTLEMENT	15	30	15
STRAND 3:	DEVELOPMENT STUDIES	20	30	15
STRAND 4:	RESOURCES AND THEIR USES – FARMING AND MINING	24	30	15
STRAND 5:	ENVIRONMENTAL ISSUES	29	30	15
TOTAL			180	100

Check that this booklet contains pages 2-34 in the correct order.

**HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.**

**Choose the BEST answer and write the correct letter in the box provided.**

1. When molten magma rises through weaker points to the Earth's surface, it forms a:

- A. crust.
- B. subduction.
- C. mantle.
- D. volcano.

<b>SL 1</b>

2. The gradual movement of the continents across the earth's surface through geological time is called:

- A. Fold mountains.
- B. Oceanic plates.
- C. Continental drift.
- D. Pacific plate.

<b>SL 1</b>

3. Which of the following is formed by tropical cyclones?

- A. High islands
- B. Motu
- C. Volcano
- D. Vegetation

<b>SL 1</b>

4. Which of the following is NOT a cultural activity that can help protect Samoa lands from subsidence?

- A. Deforestation
- B. Fertilization
- C. Harrowing
- D. Leaching

<b>SL 1</b>

5. Identify from the following the damage that is caused by a tropical cyclone.

- A. Burnt crops and animals.
- B. Overuse of the land.
- C. Population increase.
- D. Damage to houses.

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SL 1

6. Which of the following is a negative impact of emigration on the country of origin?

- A. Brain drain.
- B. Overcrowding.
- C. Language and cultural barriers.
- D. Pressure on public services.

☐

SL 1

7. Which of the following is a push factor behind internal migration within Samoa?

- A. Phones
- B. Jobs
- C. Vaccination
- D. Tourism

☐

SL 1

8. The statistical study of a distinct group of individuals, its size and movements is known as:

- A. Demography.
- B. Overpopulation.
- C. Population explosion.
- D. Census.

☐

SL 1

9. The Government body responsible for providing relevant population information and analysis as part of implementing population control programs in Samoa is:

- A. Customs.
- B. Ministry of Education, Sports and Culture.
- C. Bureau of Statistics.
- D. Ministry of Finance.

☐

SL 1

10. A long-term change of birth and death rates is known as:

- A. Population explosion.
- B. Population projections.
- C. Population demography.
- D. Demographic transitions.

☐

SL 1

11. Economic development can simply be defined as the process of:

- A. determining the wealth of a country.
- B. improving the well-being and quality of life.
- C. investing in production in another country.
- D. keeping record of the population.

☐

SL 1

12. One of the advantages of using the Human Development Index (HDI) to measure economic development is that it:

- A. uses financial data only.
- B. uses a broad range of information.
- C. is sometimes accurate.
- D. gives a country's socio-economic status.

☐

SL 1

13. One development pattern specific to low-income economies like Samoa is:

- A. spatial settlement.
- B. remittances.
- C. child labour.
- D. street vendors.

☐

SL 1

14. ONE way that Covid-19 pandemic has affected development aid projects in Samoa is:

- A. an increase in human capital.
- B. an increase in the number of schools.
- C. a decrease in funding.
- D. a decrease in gender inequality.

☐

SL 1

15. Which of the following best defines the term Multilateral development projects?

- A. When one government directly transfers money or other assets to a recipient country.
- B. A project between two or more countries for the purpose of encouraging economic development in a poorer nation.
- C. A project between two or more countries for the purpose of encouraging economic development in a developed nation.
- D. One country receiving more development projects from the same country.

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SL 1

16. Which ONE of the following renewable resources is used in tilapia farming?

- A. Natural Gas
- B. Water
- C. Hydropower
- D. Sewage

☐

SL 1

17. Which of the following best defines the term sustainable in relation to resources used in farming and mining?

- A. Resources that do not lead to the long-term degradation of the environment.
- B. Resources that are available for the next ten years.
- C. Resources that do not naturally replace, restore or replenish themselves.
- D. Resources that naturally replace, restore or replenish themselves.

☐

SL 1

18. The system approach to mining is:

- A. input-process-output pattern of processing minerals.
- B. different systems for growing crops.
- C. an inorganic material produced by natural processes.
- D. when human beings use a combination of resources to grow crops.

☐

SL 1

19. Which ONE of the following technological innovation does NOT impact on mining?

- A. Autonomous vehicles.
- B. Automated drilling.
- C. Automated planter.
- D. Tunnel boring systems.

☐

SL 1

20. Which of the following external changes will have an impact on fish farming?

- A. Water pollution regulation.
- B. Changes in taro prices.
- C. Increase in the use of fertilizers.
- D. More rainfall throughout the year.

☐

SL 1

21. Which of the following best defines an environmentalist?

- A. Someone who pollutes the environment.
- B. Someone who works in the aquatic environment.
- C. A person who is concerned about the environment.
- D. A person who is against the protection of the environment.

☐

SL 1

22. Which of the following is a regulation implemented by government to ensure the survival of inshore marine areas?

- A. Sunday swimming ban.
- B. To allow fishing everywhere including protected areas.
- C. Banning the use of chemicals and dynamite to kill fish.
- D. Not placing controls or limits on the number of fish fences or traps.

☐

SL 1

23. Which ONE of the following strategies is used by government to protect mangroves?

- A. Enforcing the use of traditional plant-derived fish poisons.
- B. Enforcing national mesh size limits on nets.
- C. Banning removal of mangroves in villages.
- D. Allowing the dumping of rubbish in water bodies.

☐

SL 1

24. Which of the following does not affect ecosystems?

- A. Light
- B. Temperature
- C. Atmospheric pressure
- D. Uranium

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SL 1

25. Which of the following is a climatic characteristic of rain forests?

- A. Temperature
- B. Low rainfall
- C. Humidity
- D. Air pressure

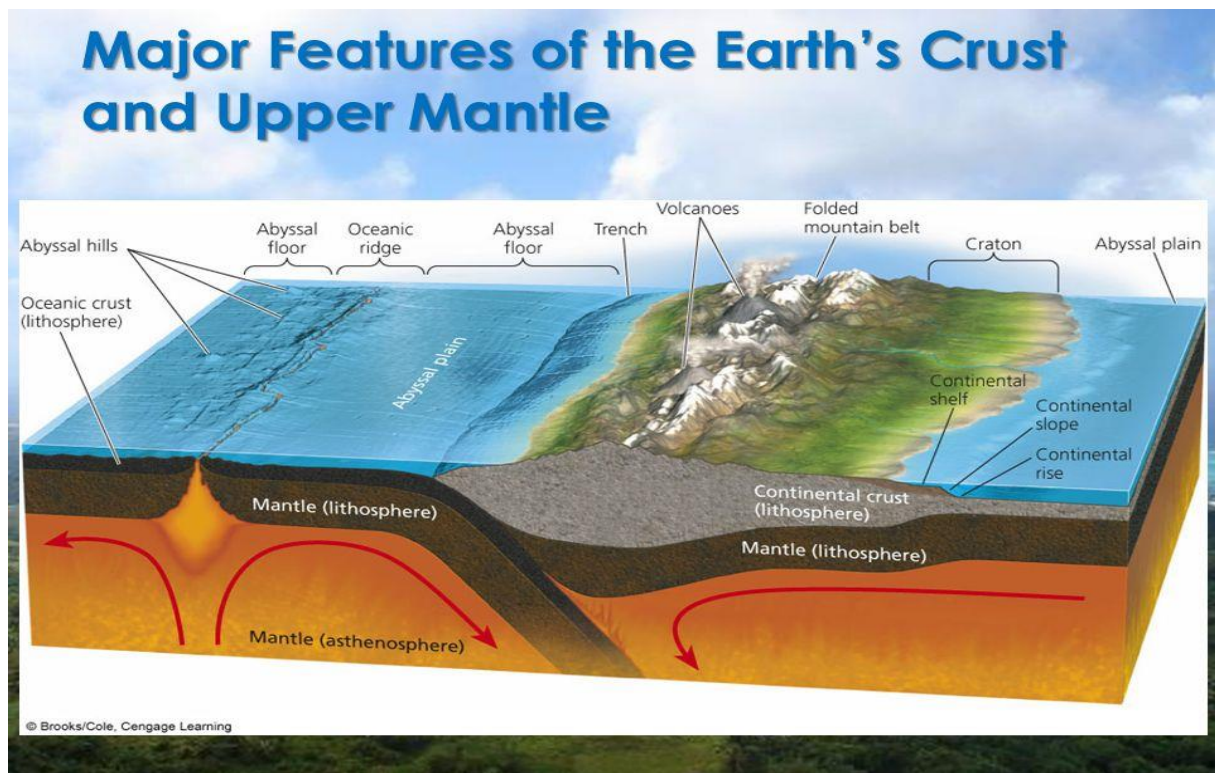


SL 1



Use Resource 1 and your knowledge to answer Question 26 below.

**Resource 1**



26. Explain the effects of the subduction process as shown in the diagram above.

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SL 3

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Use Resource 2 and your knowledge to answer Questions 27 and 28 below.

**Resource 2**

**A low Island in French Polynesia**



Source - <https://www.motuiti.com/>

27. Describe the physical processes involved in the formation of a low island.

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SL 2

- [illegible]

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**Use Resource 3 and your knowledge to answer Questions 29 and 30 below.**

### Resource 3



Source -<https://www.rnz.co.nz/international/pacific-news/433136/major-flooding-in-parts-of-samoa>

29. Explain how the climate of an island nation like Samoa can influence its relief.

[illegible]

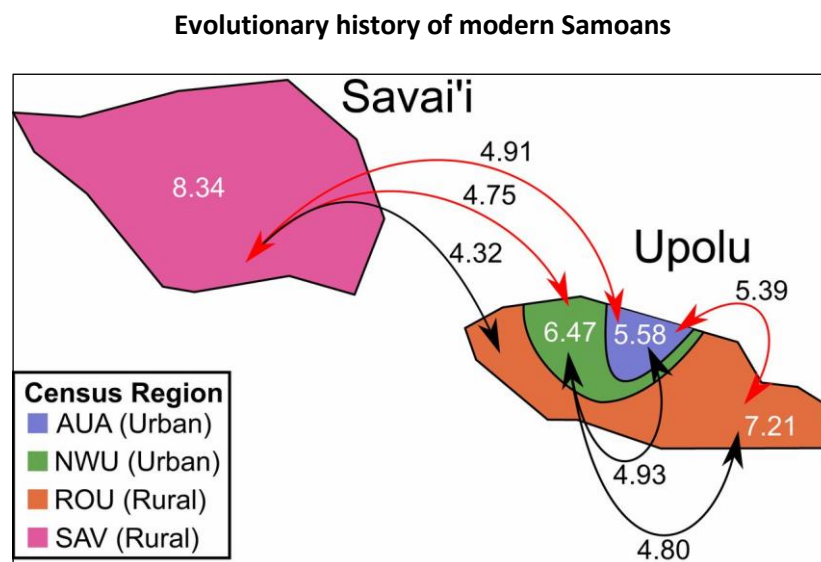
SL 3

- [illegible]

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Use Resource 4 and your knowledge to answer Questions 31 and 32 below.

**Resource 4**



Source:- <https://www.pnas.org/content/117/17/9458/tab-figures-data>

31. Describe one of the processes that leads to the natural increase of populations.

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SL 2

32. Explain using examples, how life expectancy contributes to population changes.

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SL 3



Use Resource 5 and your knowledge to answer Questions 33 and 34 below.

**Resource 5**

**Human population planning**



Source <https://www.downtoearth.org.in/news/water/increasing-population-puts-pressure-on-land-and-water-too-unccd-66564>

33. Explain the effects of population programs on people.

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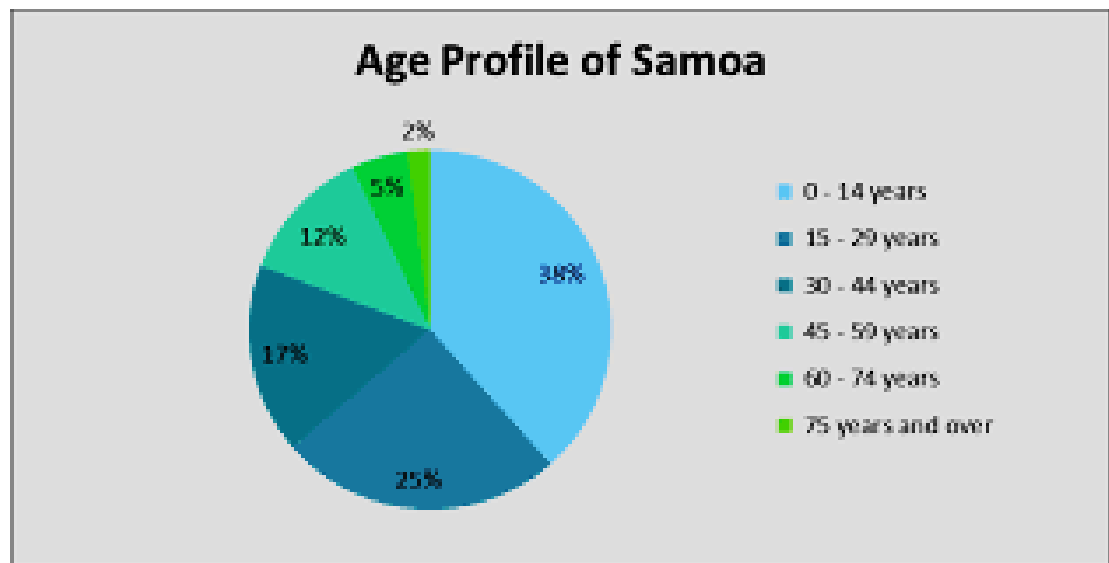
SL 3

34. Explain the effects of population change on the environment.

<b>SL 3</b>

**Use Resource 6 and your knowledge to answer Question 35 below.**

## Resource 6



**Source:** <https://www.mwcsd.gov.ws/images/2017/Documents/DFSD/Women-Matai-and-Leadership-Report-2015---FINAL-FINAL.pdf>

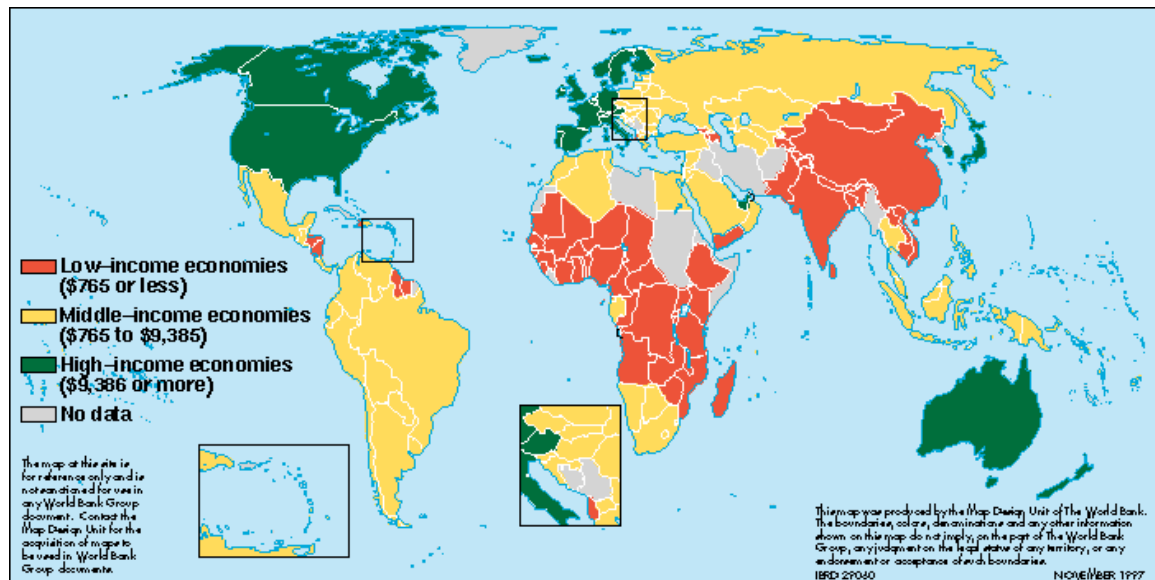
35. Discuss the potential effects of population change on Samoan culture and tradition. Use examples to support your answer.

[illegible]

SL 4

Use Resource 7 and your knowledge to answer Questions 36 to 38 below.

### Resource 7



Source - <http://old.lefo.ro/iwlearn/www.worldbank.org/depweb/english/modules/economic/gnp/map1.htm>

36. List TWO issues that arise from the inequalities in development patterns in Samoa.

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SL 2

37. Discuss the differences between social and economic development.

	SL 3

38. Explain the reasons for the development of inequalities that exist between a low income country like Samoa and developed economies.

[illegible]

Use Resource 8 and your knowledge to answer Questions 39 and 40 below.

**Resource 8**



39. Explain the disadvantages of bilateral aid on recipient countries. Use examples to support your answer.

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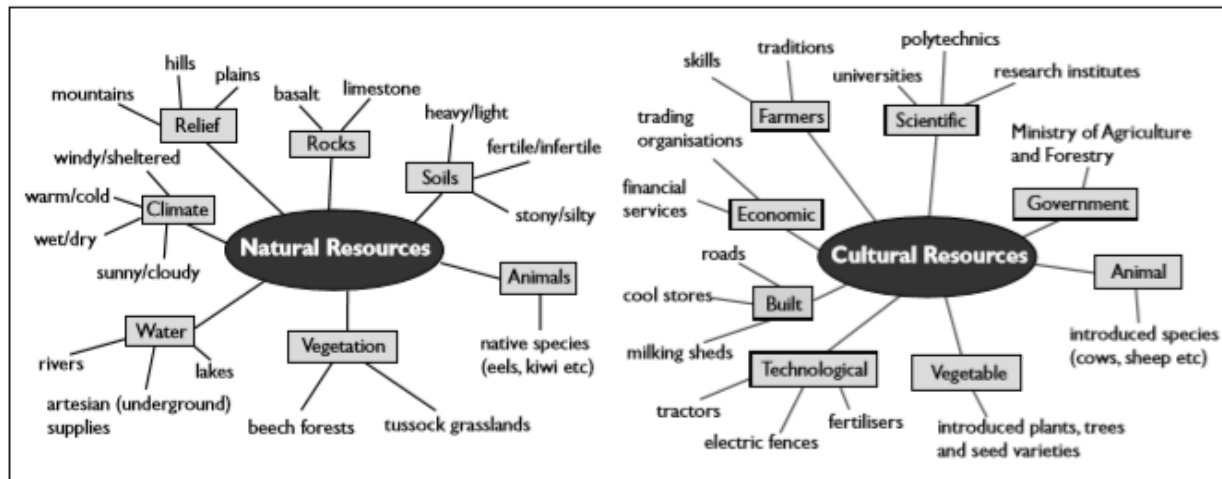
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SL 3



## Resource 9



41. Explain how farming affects the environment. Use examples to support your answer.

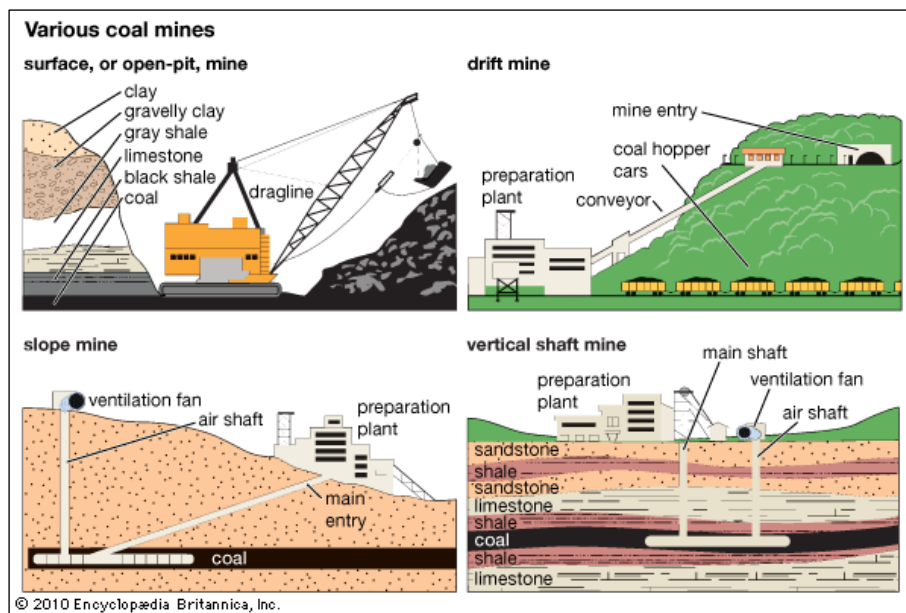
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<b>SL 3</b>



Use Resource 10 and your knowledge to answer Questions 42 and 43 below.

**Resource 10**



Source – <https://kids.britannica.com/students/assembly/view/167159>

42. Describe how resources used in mining can be made sustainable.

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SL 2

43. Explain the impacts of climate change on mining uranium in Australia.

[illegible]

SL 3
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Use Resource 11 and your knowledge to answer Questions 44 and 45 below.

**Resource 11**

**Fish farming**



Source- <https://www.conservation.org/gcf/projects/adapting-pacific-island-tuna-fisheries-to-climate-change>

44. Explain how climate change may impact fish farming.

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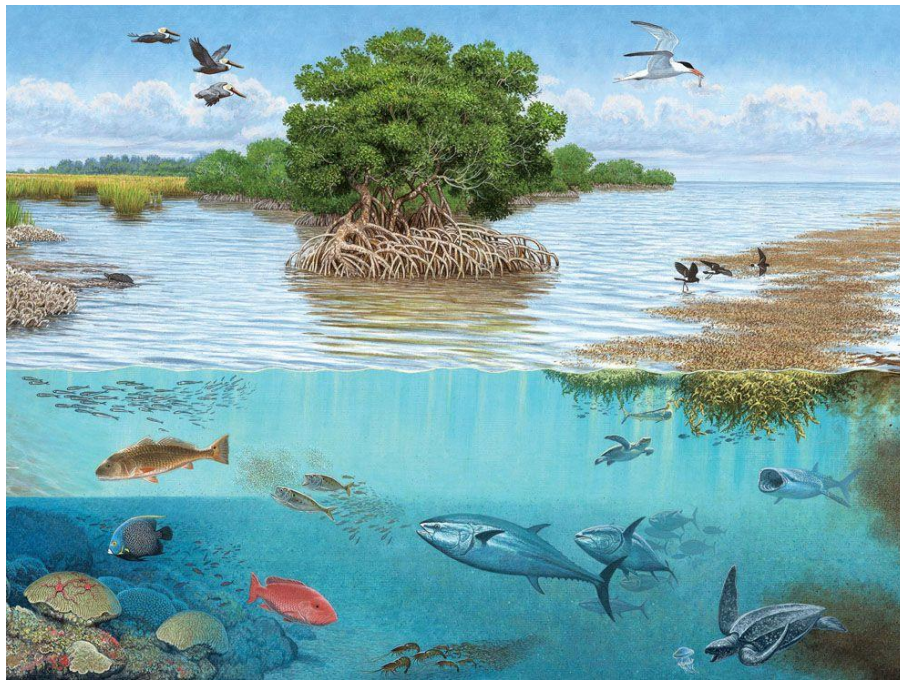
SL 3

45. Evaluate the application of system farming in relation to fish farming practices in Samoa.

SL 4

Use Resource 12 and your knowledge to answer Questions 46 and 47 below.

**Resource 12**



Source - <https://www.nationalgeographic.org/activity/sorting-gulf-ecosystem/>

46. Describe ONE feature of an ecosystem.

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SL 2



Use Resource 13 and your knowledge to answer Question 48 below.

**Resource 13**



Source - <https://samoaconservationsociety.wordpress.com/>

48. Explain why rainforests are important resources for a country. Use examples to support your answer.

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SL 3

49. Explain the different perspectives that people may have on mangroves. Use examples to support your answer.

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50. Choose an ecosystem you have studied and discuss the various processes that have been put in place to help environmental sustainability. Use examples to support your answer.



[illegible]

STUDENT EDUCATION NUMBER									

## GEOGRAPHY

**2021**

**(For Scorer only)**

STRANDS		Weighting	Scores	Check Scorer	AED Check
MULTIPLE CHOICE		25			
STRAND 1:	PHYSICAL ENVIRONMENT	15			
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SECTION 3:	DEVELOPMENT STUDIES	15			
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SECTION 5:	ENVIRONMENTAL ISSUES	15			
<b>TOTAL</b>		<b>100</b>			