



Noah's Ark Independent Primary School

Subject: NS&T	Examiner: Moyo, S.
Type: Mid-Year Exams	Moderator: Rwizi, A.
Date: 29 June 2021	Grade: 4- ____
Marks: 50 Marks	Time: 1 hour 30 minutes

Name: _____

Instructions

Carefully read all the questions before you start writing.

Answer ALL the questions in the spaces provided.

Write neatly and legibly

Section A: Life, living and structures

Question 1



1.1 Give an example of any two animals that can be found in a sea habitat. (2)

1.2 Lions can be found in grassland habitats. Why is it easy for a lion to hide in grassland? (1)

1.3 In what kind of habitat will you find a crocodile? (1)

1.4 Complete the following table.

(4)

	Natural or man-made structure?	Frame or shell structure?
		
		

Source: Assessment 9/11, Term 1 2021 NS&T Grade 4 Test

Question 2

Explain why a seed is an example of a living thing.

(1)

Question 3

Explain how an item can be categorised as non-living.

(2)

Question 4

Study the following article and answer the questions that follow.

Take Note! Not all the answers can be found in the article.

2021 Table Mountain Fire:		
<p>The 2021 Table Mountain fire is a major fire that started on 18 April 2021. It spread in and around Table Mountain National Park. It is also known as the Rhodes Memorial fire or the Cape Town fire.</p>	<p>Plants and Animals:</p> <p>Its plant life consists of several different types of the unique and rich Cape fynbos.</p> <p>There is a lot of wildlife in the area. The most common animals on the mountains are the dassie or rock hyrax. Table Mountain is also home to porcupines, mongooses, snakes, lizards and tortoises.</p>	<p>The Table Mountain ghost frog is a rare and shy frog species. It is endemic to Table Mountain in the Western Cape.</p>
		

Source: Assessment 9/11, Term 2 2021 NS&T Grade 4 Exam

Vocabulary:

Endemic - A thing that is only found in a specific area or region.

4.1 Is fire an example of a living or non-living thing? (1)

4.2 Name one living thing that was mentioned in the article: (1)

4.3 Identify two parts of a plant AND point them out on the image below: (4)



Source: Assessment 9// Term 2, 2021 NS&T Grade 4 Examination

4.4 Many of the homes of the wild animals will have been destroyed in the fires. Were these homes examples of natural or human-made shelters? (1)

Question 5

Read about the tiger's habitat and answer the questions

The tiger lives in a forest habitat in parts of Asia. The tiger has a striped coat which helps it blend in well with the sunlight filtering through the treetops to the forest floor. The stripes also help break up the tiger's body shape, making it difficult for their prey to see them. There is not very much light in the forest but the tiger has very good hearing so it can hear other animals moving around.

Source: Platinum Grade 4 NS&T Remediation and Extension, page 8

5.1 Explain how the tiger's coat makes it suited to its habitat. (2)



5.2 Describe one other adaptation that makes the tiger suited to its habitat. (1)

5.3 Evaluate the importance of habitats. (4)

Section B: Matter, materials and Technology

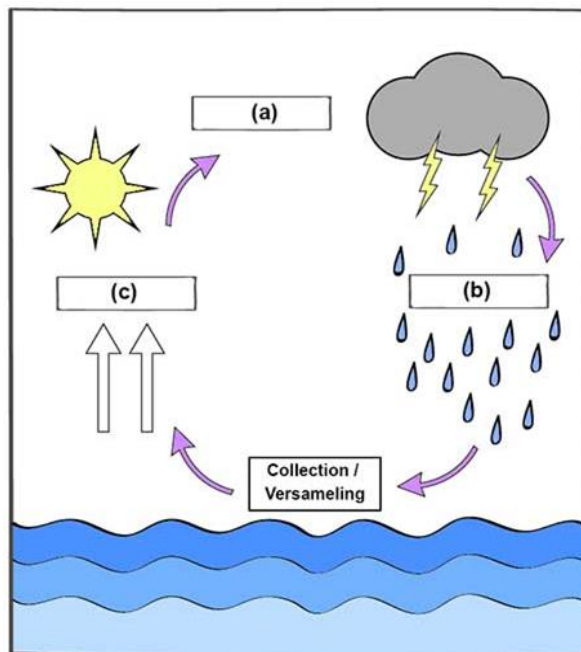
Question 6

Complete the following table of Raw and Manufactured Goods. The first one has been done for you. (2)

	Raw Material	Manufactured Material
Example:	Coal and oil	Plastic, paint, fabric
(a)		Paper 
(b)	Sand 	

Source: Assessment 911, Term 2, 2021 Grade 4 NS&T Examination

Question 7



Source: Assessment 9/11, Term 2, 2021 Grade 4 NS&T Examination

7.1 Give the above diagram a title. (1)

7.2 Label the processes taking place on stages a, b, and c. (3)

a) -----

b) -----

c) -----

7.3 Define process a and c. (2)

7.4 Explain the importance of the concept shown by the above diagram. (3)

Question 8

The table below shows some properties of three substances.

Substance	Flows from one container to the next	Has its own shape.	Completely fills a container.
Substance A	x	✓	x
Substance B	✓	x	✓
Substance C	✓	x	x

8.1 Suggest the phase of each substance. (3)

Question 9

Match column A with its meaning in column B. (3)

Column A	Answer	Column B
9.1 stable		a) Something that comes from the country it is found in and has not been brought there from somewhere else.
9.2 triangulation		b) Does not fall over easily
9.3 indigenous		c) Long, thin piece of material that is used to support structures.
		d) Using triangles to make structures strong.

Question 10

Describe how you would strengthen a sheet of newspaper. (3)

Question 11



Source: Oxford Successful, Grade 4, Natural Science & Technology Learner's Book, page 74

11.1 Explain the purpose of a strut. (1)

11.2 Indicate where a strut has been used on the above diagram by using a coloured pencil. (1)

11.3 Why is the base of the pylon wider than the top? (2)

Question 12

Give two properties of glass. (1)

_____ / 50 Marks