

TOM NEWBY SCHOOL EXAMINATION



Subject	NS/TECH		Examiner	MS M. MPESU/ MS B. BOTHA	
Date	JUNE 2	2019	Total mark	s 40	
Grade	4		Duration 1 HOUR		
		Moderator MRS M. FOURIE			
Special instructions/ 1. Read the i			Read the instructions	carefully	
Equipment 2. Write near			Write neatly		
3. Take note			Take note of the mark	allocation	
4. Good luck					
This assessment has been compiled using notes and information contained in the Tom					

This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.

Name:	Surname:	Class:

This paper consists of three sections: Section A (20 marks), Section B (14 marks) and Section C (6 marks). Answer all questions on the question paper.

SECTION A (20)

QUESTION 1 [5]

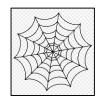
Multiple choice questions

Circle the correct answer

- 1.1 Which of the following is not considered a living thing:
 - a) Locust
 - b) Germs
 - c) Bread
 - d) Seeds
- 1.2Which part of the plant makes food for the plant?
 - a) Seed
 - b) Leaf
 - c) Root
 - d) Stem
- 1.3 Which of the following animals uses its tail to warn attackers?
 - a) Kangaroos
 - b) Lizards
 - c) Monkeys
 - d) Rattlesnakes

- 1.4 A _____ is an aquatic habitat.
 - a) Grassland
 - b) Tundra
 - c) Forest
 - d) Marine
- 1.5 Which picture shows a structure that spans a gap?

a)



b)



c)



d)



QUESTION 2 [7]

Even though living things look different, they all carry out seven life processes. Name the seven (7) life processes:

2.1	
2.2	
2.3	
2.5	
2.6	
27	

QUESTION 3 [5]

Structure of an animal

All animals have different parts that we call structures. Show and label the following on the diagram of a fish.



QUESTION 4 [3]

You have been asked to design a bridge to cross a river.	Fill in the missing steps of the
design process.	

4.1	
Design	
4.2	
Evaluate	

SECTION B (14)

QUESTION 5 [5]

Match the words in Column A with their meanings in Column B. Write the letter next to the chosen number.

Column A	Column B
5.1 Suitable	A. The way a material is and how we describe it.
5.2 Material	B. Something made by people.
5.3 Property	C. When something has the properties to do the job.
5.4 Natural Material	D. Something that comes from nature.
5.5 Manufactured Material	E. The substance we use to make products.

5.1	5.2	5.3	5.4	5.5

QUESTION 6 [6]

Choose the correct word from the word box to complete the stages of the water cycle.

	Water Vapour	Sun	Condenses	Gas	Rain	Freeze
T	he 6.1		_ heats the wa	ater on Ea	arth and cha	nges it into
6	.2	that	enters the air.	The water d	roplets are nov	v an invisible
6	.3	As	the water vapour	rises into t	he atmosphere	e, it becomes
C	ooler until it 6.4		This fo	orms water d	roplets which p	oack together
tc	form clouds. The la	rge clouds	become too hea	vy to stay in	the air, they fa	all to earth as
6	.5	Sor	netimes, the wa	ter droplets	become so c	old that they
6	.6	and fa	ıll on earth as sno	ow or hail.		

QUESTION 7 [3]

Civ	01/0555	f~~	h	af +ha	fallaviaa	farma	of matter:
Give an	examble	101	eacn	oi ine	IOHOWING	IOITIS	or maner
OIVO GII	OMMITTE		OG OI I	01 1110	10110111119	101110	or matter.

7.1 Solid _____

7.2 Liquid _____

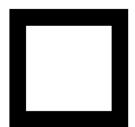
7.3 Gas _____

SECTION C (6)

QUESTION 8 [6]

Study the pictures below and answer the questions that follow:

A)



B)



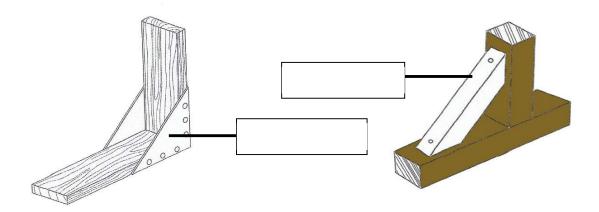
8.1 Name 3 strong structures that make use of triangulation for their strengthening. (3)

a)_____ b) ____and c) ____

8.2 Which one of the shapes above is stable and more rigid? (1)

8.3 Explain why the joints in structures need to be strengthened? (1)

8.4 What method of strengthening corners has been used in each of the following diagrams of corner joints? (2)



Grade 4 NS Tech Exam June 2019 Performance Analysis (For teacher use only)

Name and Surname:	Class:
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	Section A			
Question number	1	2	3	4
Possible Mark	5	7	5	3
Learner Mark				

	Section B		
Question number	5	6	7
Possible Mark	5	6	3
Learner Mark			

	Section C
Question number	8
Possible Mark	6
Learner Mark	