



#### TOM NEWBY SCHOOL EXAMINATION

Subject	NS/TECH		Examiner	MS MPESU
Date	15 JUNE 2	2016	<b>Total marks</b>	40
Session	2		Duration	1 HOUR
Grade	4		Moderator	MRS FOURIE
Special instr	uctions/			
Equipment				

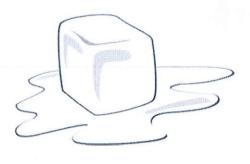
This NS/Tech Exam has been compiled using notes and information contained in the Tom Newby School book. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking. Up to 10% of the total mark allocation may be deducted for spelling and grammatical errors, except in the case of Language papers, where deductions are made according to a memorandum.

Name and Surnan	ne: _	Grade: 4
INSTRUCTIONS:		
		Read and answer all questions carefully!  Do not leave answers out
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#### **QUESTION 1:**

Choose one correct answer from the options provided and circle it:

- 1a) Everything on Earth is made up of....
  - A) Water
  - B) Living things
  - C) Matter
  - D) Material
- 1b) Examples of solid materials are....
  - A) Steam from a hot bath
  - B) Water from rain
  - C) Stones from the garden
  - D) Noise from the radio
- 1c) A gas has no \_\_\_\_\_ and fills a space....
  - A) Definite shape
  - B) Different shapes
  - C) Properties
  - D) Mass



1d)	A) Mo B) So C) St		nto a freezer, it v	will	
1e)	to a s A) Co B) Ev C) Pr	t do we call to state of gas ondensation raporation recipitation elting		en water changes fr	om a liquid state
QUE	STIO	N 2:			(0)
				stances below. We correct column.	/hich one is
2a)					
		stance	Solid	Liquid	Gas
juice A st	am fro	m the toast			
2b)	Expla i)		ng changes in st	ates of matter:	(5)
	ii)	Solidifying _			
	iii)	Evaporation			

Give an example of a substance that can be found in 3 states of matter.

Which state of matter does not take up definite space?

2c)

2d)

## **QUESTION 3:**

a) Look at the following shapes and draw, in the shapes, lines to show how you would strengthen them.

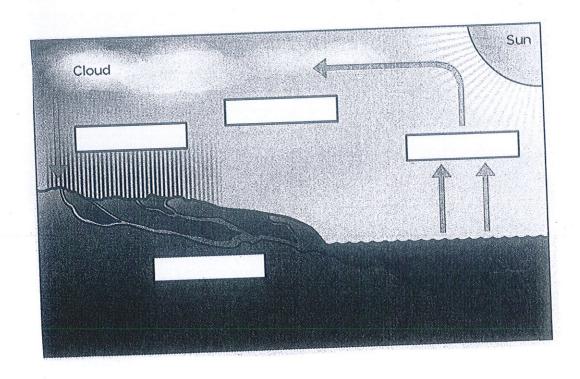
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- b) What is this form of strengthening called? \_\_\_\_\_
- c) Write down the five steps of the Technology process:
  - 1) \_\_\_\_\_
  - 2)
  - 3)
  - 4) \_\_\_\_\_
  - 5) \_\_\_\_\_

(10)

### QUESTION 4:

Study the picture of a water cycle below and answer the question that follow



4a)	lakes and dams come from?
4b)	Where does the evaporated water go?
4c)	What happens to the water vapour after if condenses?
4d)	How does the water that evaporated get back to earth?
4e)	Explain how hail or snow is formed
	STION 5:  oplain the difference between <u>raw</u> and <u>manufactured</u> materials and
	ve one example for each
b)	What is a shatterproof glass?
c)	Where do we find this kind of glass?

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