



TOM NEWBY SCHOOL EXAMINATION



1

Subject	NS/TECH	Examiner	MS M. MPESU
Date	13 JUNE 2018	Total marks	40
Grade	4	Duration	1 HOUR
		Moderator	MRS M. FOURIE
Special instructions/ Equipment	1. Read the instructions carefully 2. Write neatly 3. Take note of the mark allocation 4. Good luck		
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:
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SECTION A – LIFE AND LIVING

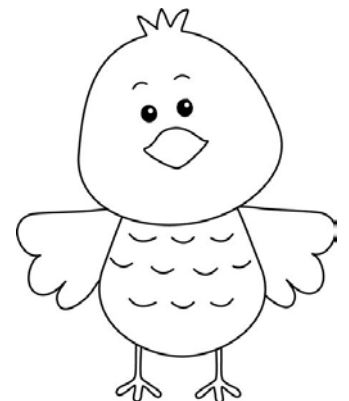
QUESTION 1

(5)

Multiple choice questions.

Circle the correct answer

- 1.1 Everything around us is made up of
- a) Plants and animals
 - b) Water
 - c) Energy
 - d) Living and non-living things
- 1.2 Which of the following looks dead but can be revived?
- a) Butterfly
 - b) River
 - c) Seed
 - d) Fire
- 1.3 The function of a leaf on a plant is to
- a) Reproduce
 - b) Create minerals
 - c) Make food
 - d) Anchor the plant



1.4 Which of the following is not a structure of an animal?

- a) Head
- b) Back bone
- c) Body
- d) Limbs

1.5 A habitat is a

- a) Home for a plant
- b) Home for an animal
- c) A place where plants and animals can blend in
- d) Home for a plant or animal

QUESTION 2

(5)

Answer True or False

- 2.1 Most animals have a brain. _____
- 2.2 Some living things do not have senses. _____
- 2.3 A peacock uses its tail to protect itself from danger. _____
- 2.4 Some structures are built to contain and protect. _____
- 2.5 A water tower is built to span a gap. _____

QUESTION 3

(8)

3.1 State whether the following are examples of a solid, liquid or gas.



Image A



Image B



Image C

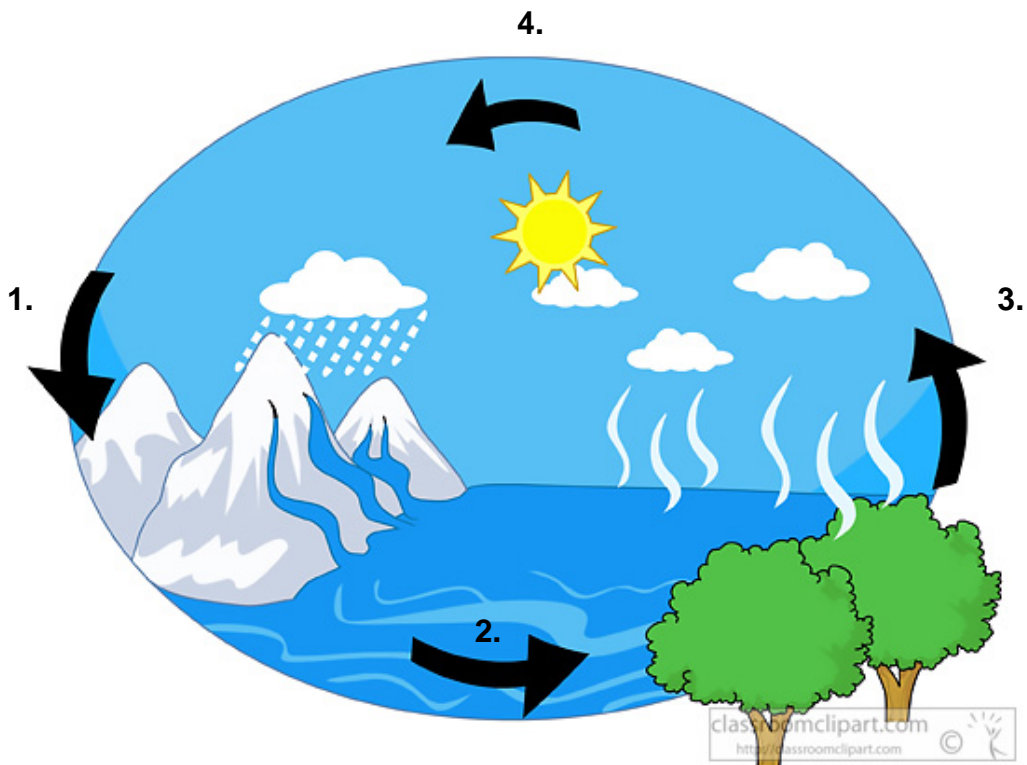
3.2 Decide whether each statement describes the properties of a liquid, solid or gas. Place a tick in the column you have chosen.

Property	Solid	Liquid	Gas
a. It is usually hard			
b. It has its own shape			
c. It takes the shape of a container and stays that way			
d. It takes up all space in the container			
e. It can be poured			

QUESTION 4

(2)

Complete the water cycle by filling in the missing words.



1.	2.	3.	4.
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TOTAL : 20 MARKS

SECTION B – MATTER AND MATERIAL**QUESTION 5****(5)**

When you want to design a bridge you follow the Technology process. List the five (5) steps of the Technology process.

1. _____

2. _____

3. _____

4. _____

5. _____

QUESTION 6**(5)**

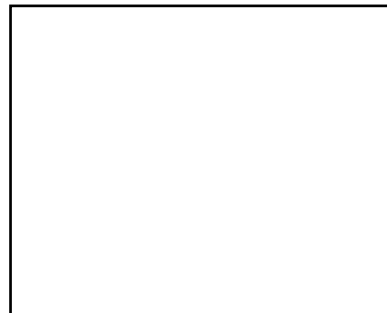
Draw a brace and strut to show the strengthening of the following shapes.

1.



A brace

2.



A strut

Give an example where the following methods of strengthening can be used

3. Folding _____
4. Tubing _____
5. Triangulation _____

QUESTION 7**(4)**

Structures have four kinds of functions. What are these functions (jobs)?

1. _____
2. _____
3. _____
4. _____

TOTAL: 14 MARKS

QUESTION 8**(6)****Explain the meaning of the following words:**

1. A raw material

2. A manufactured material

3a. Is paper a raw or manufactured material?

3b. Explain your answer

3c. Classify the items listed below into the following groups: raw materials or manufactured material. Write the item into the correct column on the bar graph and colour in the correct number on the graph, using a coloured pencil crayon. Items: feathers, coins, glass, sand, plastic, wood, woollen jersey, boots.

8		
7		
6		
5		
4		
3		
2		
1		

Manufactured

Raw

Grand total 40 marks