



TOM NEWBY SCHOOL



SUBJECT: NS & Tech
DATE: 6 June 2014
SESSION: 2
GRADE:4

EXAMINER: Ms M Mpesu
MARKS: 50
TIME: 1 Hour
MODERATOR: Mrs Fourie

This Ns and Tech Test has been compiled using notes and information contained in the Tom Newby School NS and Tech 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.

INSTRUCTIONS:

Read and answer all questions carefully!

QUESTION 1

Say whether the following sentences are TRUE or FALSE!

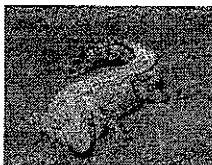
1. All living things excrete _____
2. Wood was once a living thing _____
3. The first shoot of a germinating seed is called a radicle

4. All plants produce flowers _____
5. Animals can sense much more than humans _____
6. Roots make food for the plant _____
7. Plants do not need habitats _____
8. A galjoen is a type of a tree _____
9. Technology is all about man-made things _____
10. A solid structure is made up of different parts joined together

QUESTION 2

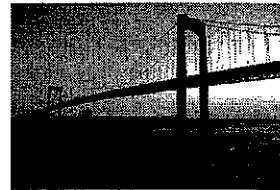
Read the questions/statements below and circle the correct answer:

1. Which of the following is not a living thing:
 - a) Roses
 - b) Zebra
 - c) Water
 - d) Egg
2. Which of the following looks dead but can become alive:
 - a) Fire
 - b) Seeds
 - c) Fish
 - d) Clouds
3. The _____ anchors the plant into the ground:
 - a) Stem
 - b) Leaves
 - c) Roots
 - d) Flowers
4. Look at the picture. Which animal uses its tail to keep itself warm?



5. Plants use sunlight, water and _____ to make their own food:
 - a) Oxygen
 - b) Warmth
 - c) Carbon dioxide
 - d) Energy
6. Seeds need warmth, air and _____ to germinate:
 - a) Oxygen
 - b) Carbon dioxide
 - c) Water
 - d) Sunlight

7. All of the following live in water except a/an _____
- a) Octopus
 - b) Eel
 - c) Shark
 - d) Meerkat
8. To camouflage means to:
- a) Prey
 - b) Predator
 - c) Be in a habitat
 - d) Blend in
9. Which of the following is not our national symbol?
- a) The Big 5
 - b) Bluecrane
 - c) Springbok
 - d) Galjoen
10. What is the job (function) of this structure?
- a) To protect
 - b) To contain
 - c) To support
 - d) To span a gap



(10)

QUESTION 3

Explain the meaning of the following words/terms:

a) Breathing

b) Non-living

c) Stem

d) Germinate

e) Limb

f) Plumule

g) Habitat

h) Indigenous

i) Design brief

j) Frame structure

(10)

QUESTION 4

Materials around us:

1. What is matter?

(1/2)

2. What are the three states of matter?

_____ and _____ (1½)

3. Matter can change from one state to another. In your own words, explain the following words associated with change in matter:

a) Melting _____

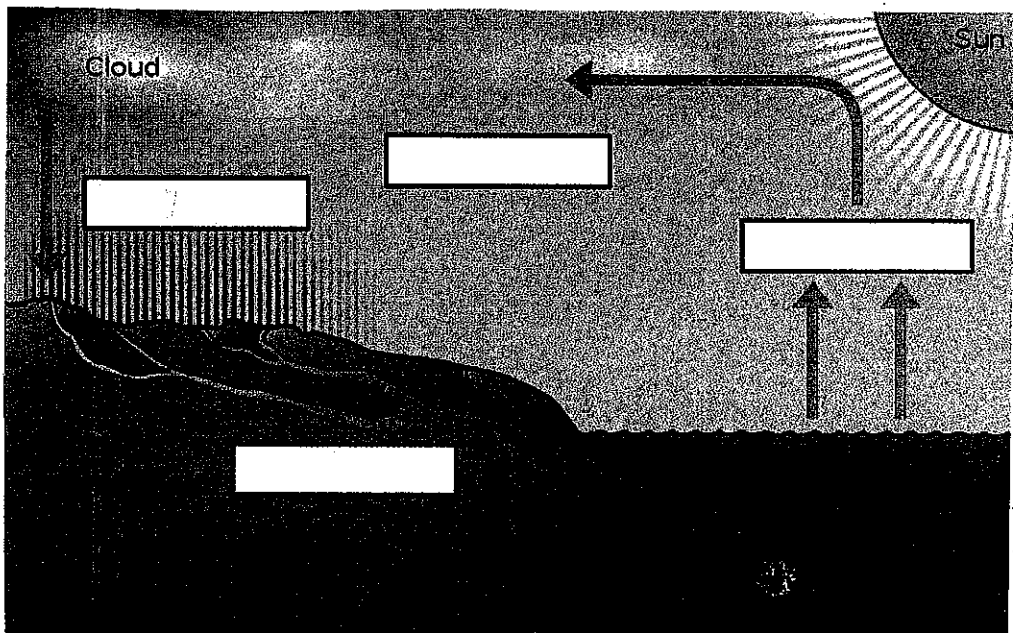
b) Solidifying _____

c) Evaporation _____

d) Condensation _____

(4)

4. This is a diagram of a water cycle. Label the missing parts:



(4)

(10)

QUESTION 5

Solid Materials:

1. Underline all the solid materials, lava stone, steam, chair, oxygen, water, brick, coin, glass, cloud, milk, doll (8)
2. Explain the difference between raw and manufactured material giving examples for each word.

(2)

TOTAL : 50