

Memo



TOM NEWBY SCHOOL



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

EXAMINER: Ms M Mpesu
MARKS: 50
TIME: 1½ Marks
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.

INSTRUCTIONS:

Read and answer all questions carefully!

QUESTION 1

Say whether the following sentences are TRUE or FALSE!

1. All living things excrete T
2. Wood was once a living thing T
3. The first shoot of a germinating seed is called a radicle
 F
4. All plants produce flowers F
5. Animals can sense much more than humans T
6. Roots make food for the plant F
7. Plants do not need habitats F
8. A galjoen is a type of a tree F
9. Technology is all about man-made things T
10. A solid structure is made up of different parts joined together
 T

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

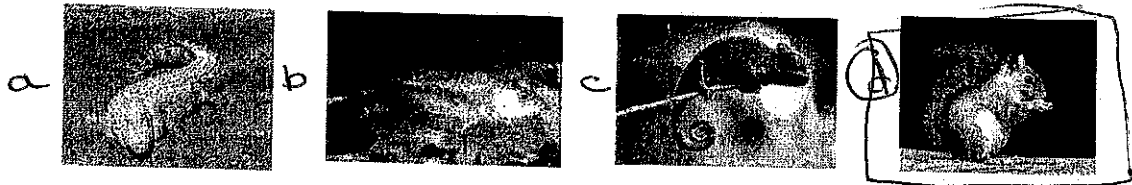
2. Which of the following looks dead but can become alive:

- 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:

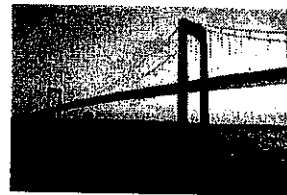
- a) Oxygen
- b) Warmth
- c) Carbon dioxide
- d) Energy

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

taking in and taking out air

b) Non-living

something that does not do all the seven life processes

c) Stem

part of the plant that hold all the parts together

d) Germinate

When a seed turns into a young plant

e) Limb

Part of an animal that helps it to move

f) Plumule

First shoot of a plant

g) Habitat

a natural home for a plant or animal

h) Indigenous

What belongs to a place naturally

i) Design brief

a plan of what you are going to make

j) Frame structure

made up of different parts joined together

(10)

QUESTION 4

Materials around us:

1. What is matter?

anything/everything around us (½)

2. What are the three states of matter?

solid liquid and gas (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 when a solid turns to liquid

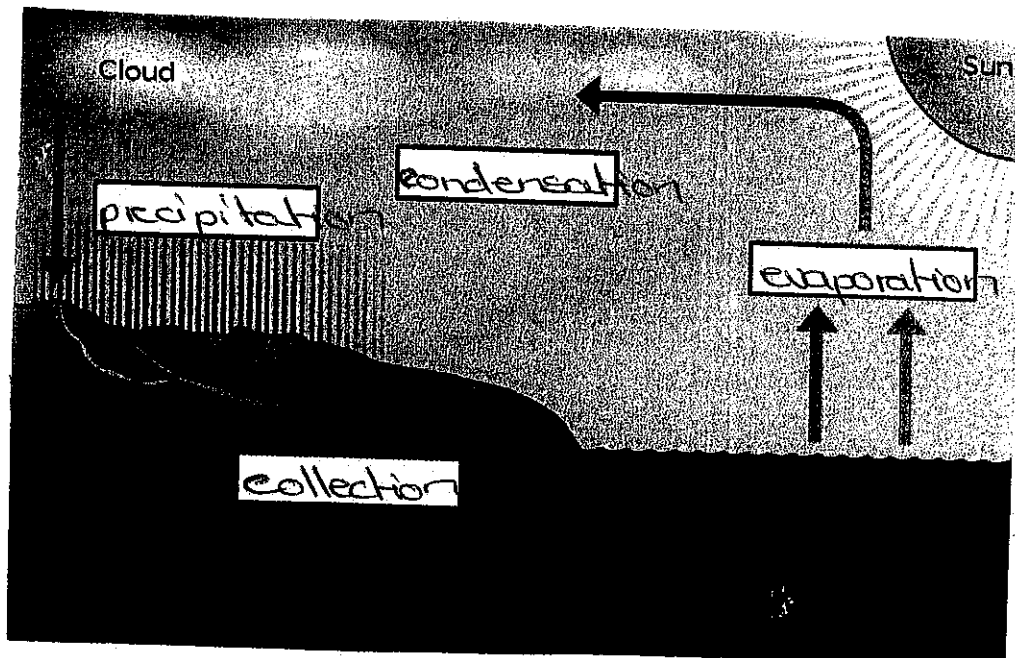
b) Solidifying when a liquid turns to solid

c) Evaporation when a liquid turns to gas

d) Condensation when a gas turns to liquid

(4)

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



(4)

(10)

QUESTION 5

Solid Materials:

Questions taken out + changed

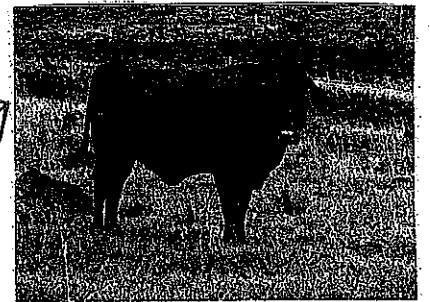
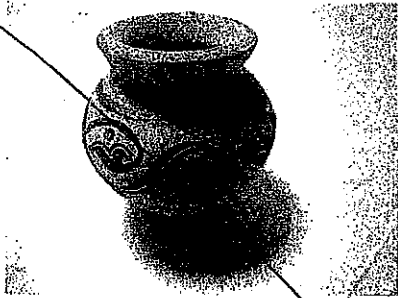
1. What does the word solid mean?

made up of a lump of mass (1)

① 2. Underline all the solid materials, lava stone, steam, chair, oxygen, water, brick, coin, glass, cloud, milk, doll (8)

③ 3. Match the following substances with the material used to make them by drawing a line from the object to the material.

1



2



3



4



(2)

② Explain the difference between raw and manufactured material giving examples for each word.

Raw means something that has
not been processed, manufactured
means processed / made into something
more usable

(2)

TOTAL : 50