



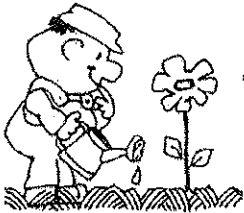
TOM NEWBY SCHOOL EXAMINATION

Subject	NS-TECH	Examiner	MS MPESU
Date	11 JUNE 2015	Total marks	50
Session	2	Duration	1 HOUR
Grade	4	Moderator	MRS M FOURIE
Special instructions/ 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 Surname: _____ Grade: 4 _____

INSTRUCTIONS:



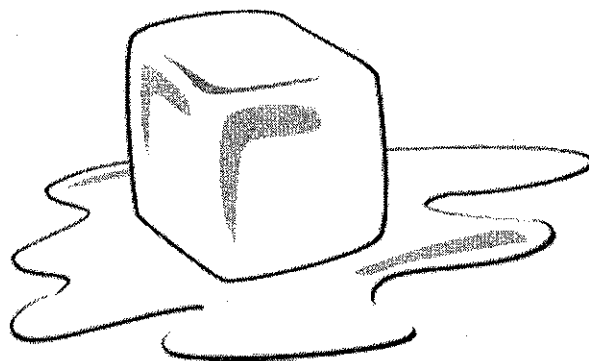
1. Read and answer all questions carefully!
2. Do not leave answers out

QUESTION 1

Say whether the following sentences are True or False.

1. Some living things don't reproduce F
2. The basic structure of an animal includes a stem F
3. Seeds will never germinate without sunlight F
4. Snakes have no habitats F
5. A Springbok is an indigenous plant of South Africa T
6. All animal shelters are man-made F
7. Water can be a solid, liquid or gas T
8. Water can be lost, but if it is used up in a cycle, it can't be F
9. Some materials melt when heat is added T
10. All materials can solidify F

(10)



QUESTION 2

Circle the correct answer.

1. Which of the following is a non-living thing?

- a. roses
- b. seeds
- c. water
- d. egg

2. Which of the following was once a living thing but is now dead?

- a. egg
- b. cheese
- c. seeds
- d. wood

3. Which picture shows us it is a root?

a.



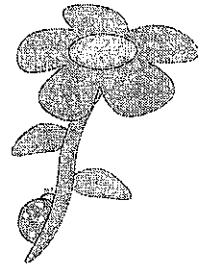
b.



c.



d.

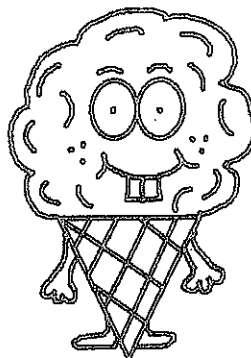


4. Seeds need water, warmth and _____ to germinate?

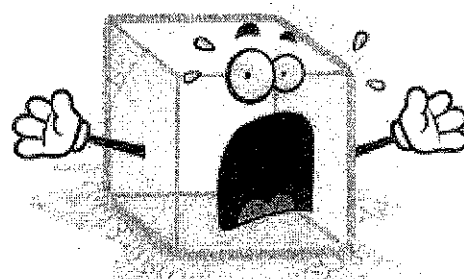
- a. air
- b. sunlight
- c. food
- d. carbon dioxide

5. The following things are all types of habitats, except which one?

- a. grasslands
- b. forests
- c. hornbill
- d. river



6. A _____ structure can contain something
- shell
 - b. frame
 - c. span a gap
 - d. support
7. Which of the following is not a state of matter?
- a. liquid
 - b. gas
 - c. solid
 - d. melt
8. Evaporated means changing
- a. from gas to liquid
 - b. from liquid to gas
 - c. from solid to liquid
 - d. from gas to solid
9. What happens to water when you freeze it?
- a. solidifies
 - b. melts
 - c. condenses
 - d. becomes gas
10. Which of the following is a raw material?
- a. glass
 - b. cup
 - c. dress
 - d. sand



(10)

QUESTION 3

Write the meaning of the following words/terms.

- Non-Living anything that does not do all the seven life processes
- Seeds part of a plant that helps the plant to reproduce
- Habitat a natural home for a plant or animal

4. Germinate When a seed turns into a plant
5. Prey animals hunted by other animals for food
6. Natural anything that is not manmade
7. Shelter a place that protects you
8. Predator animals that hunt other animals for food
9. Matter everything on earth is made up of matter
10. Hollow has a huge opening inside a shell structure.

(10)

QUESTION 4

1. Matter that does not change shape is solid
2. Matter that takes on the shape of a container and stays in a container is a liquid.
3. Matter that takes up all space available is called gas.
4. The boy in the picture below is having ice-cream. What state is the ice-cream in? solid



5. What change in the phase would we see if we add heat to ice-cream?
Solid to liquid (melting)
6. How can you change it back to a solid phase?
freezing (solidify)
7. Give an example of matter that can be found in 3 states
water
8. What is the reverse of melting called?
freezing

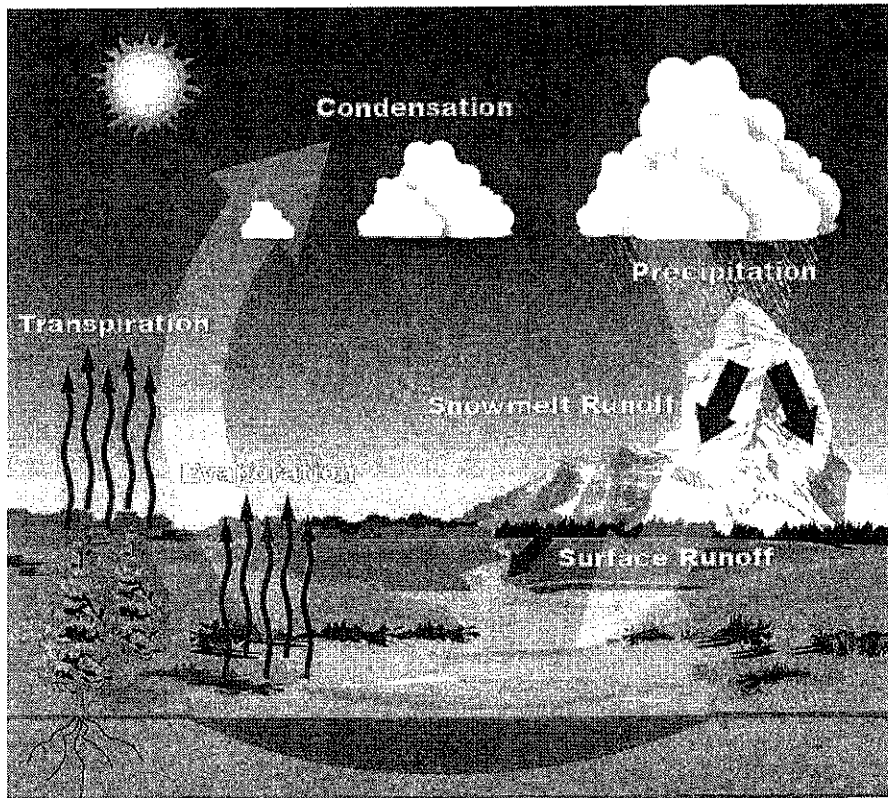
9. Give one example of each of the following

- a) Gas _____
 b) Solid _____

(10)

QUESTION 5**THE WATER CYCLE**

Study the picture below and answer the questions that follow



1. Water on the earth's surface evaporates and moves up into the air as water vapour
2. The water vapour cools and condenses as it rises into the air.
3. Drops of water high in the air form clouds
4. Drops of water fall to the earth as rain
5. Water in clouds freezes and falls to the earth as snow or hail
6. Water collects in rivers, dams, and oceans
7. Write a sentence explaining what you think a water cycle is
Water evaporates then condenses and come down as rain, hail or snow

(10)

TOTAL: 50 MARKS