

Laerskool Van Dyk Primary



Ekhurhuleni South

EMIS: 700160994

Subject: NS & Tech

Grade: 5

Term: 2 (2019)

Moderator: M. du Preez

Time Allocation: 1 Hour

Mark Allocation: 45

Examiner: R. Podges

Specific Aims: 1, 2, 3

Learner: MEMO

Date: _____ No: _____ Grade: _____

TOTAL: _____ / 45 = _____ %

Level: 1, 2, 3, 4, 5, 6, 7

Question analysis

| <i>Question</i> | <i>1</i> | <i>2</i> | <i>3</i> | <i>4</i> | <i>5</i> | <i>6</i> |
|-----------------|----------|----------|----------|----------|----------|----------|
| <i>Mark</i> | | | | | | |

Instructions:

- 1. Please write neatly*
- 2. Write with a blue or black pen*
- 3. Answer all the questions*

Section A

Question 1: Multi choice

(10)

Select one correct answer and make a circle around the correct letter.

1.1 Which animal is not a vertebrate?

- a. Dolphin
- b. Dog
- c. Snake
- d. Worm

1.2 Rust has a _____ colour.

- a. Green
- b. Reddish-brown
- c. Blue
- d. Red

1.3 Materials that have not been processed are called:

- a. Metals
- b. Non-metals
- c. Raw materials
- d. Processed materials

1.4 Glass is made of:

- a. Sand
- b. Glass
- c. Plastic
- d. Rocks

1.5 Which one of the following metals are used in electric cables?

- a. Silver
- b. Copper
- c. Gold
- d. Zinc

1.6 Which one of the following is an example of a producer?

- a. Worm
- b. Carnivore
- c. Herbivore
- d. Grass

1.7 In what habitat will you find a Whale?

- a. Desert
- b. River
- c. Dams
- d. Ocean

1.8 A _____ is a large area with little water and a lot of sand

- a. Grassland
- b. Desert
- c. River
- d. Savanah

- 1.9 Which one of the following is not a traditional processing method?
- a. Weave
 - b. Plait
 - c. Buy it
 - d. Stitch
- 1.10 Which metal will rust when it comes in contact with water and air?
- a. Gold
 - b. Silver
 - c. Zinc
 - d. Iron

Question 2: True or False

(5)

State whether the following statements are True or False.

- 2.1 One of metals' properties is that they are not ductile **False**
- 2.2 Gold is used to make jewellery **True**
- 2.3 Animals with a shell structure has an endoskeleton **False**
- 2.4 Non-metals conducts heat **False**
- 2.5 The skull protects the brain **True**

Section B

Question 3: Short questions

(8)

Answer the following questions about metals and non-metals

3.1 List 3 properties of metals

- * Strong
- * Malleable
- * Hard
- * Ductile
- * Shiny
- * Melts at high temperatures

3.2 List 3 Properties of non-metals

- * Break easy
- * Not malleable
- * Dull
- * Not ductile
- * Poor conductor of heat

3.3 Give two examples of an alloy

- * Steel
- * Brass
- * Stainless steel
- * Bronze

Question 4: Animals

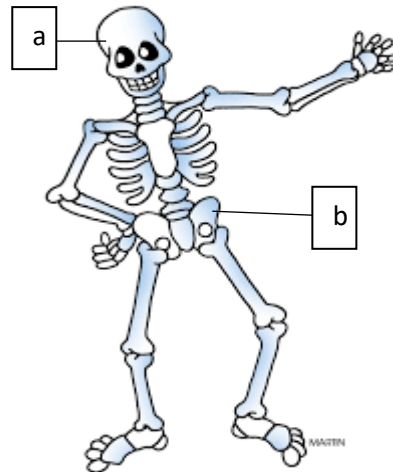
(6)

4.1 Complete the table by giving examples of the following animals (nr a. is an example)

| | |
|----------------------------------|-------------------|
| Name of an animal that is a: | Food that it eats |
| a. Herbivore: | Herbivore |
| <i>Elephant</i> | <i>Plants</i> |
| b. Carnivore: | Carnivore |
| <i>Any animal that eats meat</i> | <i>Meat</i> |

| | |
|-------------------------------------------|-----------------|
| c. Omnivore: | Omnivore |
| Any animal that eats both plants and meat | Plants and meat |

4.2 Fill in the labels for the picture



- a. Skull or cranium
- b. Hip bone or pelvis

Question 5: Life cycles

(6)

5.1 Rearrange the life cycle of a dog in the correct order by numbering the sentences

- The puppies grow until they are mature
- The female dog gets pregnant
- The female dog feeds her puppies with milk
- The dog is mature and the cycle starts again
- The female dog gives birth to her puppies

| | | |
|---|----|---|
| 4 | OR | 2 |
| 1 | | 5 |
| 3 | | 3 |
| 5 | | 1 |
| 2 | | 4 |

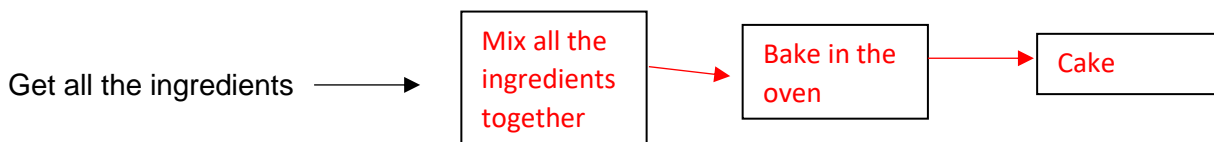
5.2 Predict what will happen to the life cycle of a plant if the seed got eaten by a bird

- The plant's life cycle will not continue
- The plant will die

Question 6: Combining materials

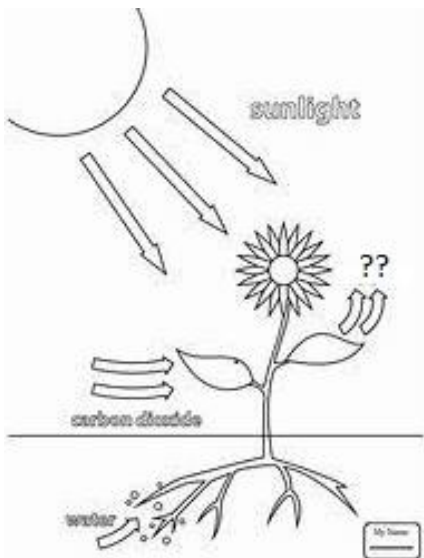
(4)

6.1 Design a flow diagram to explain how you are going to bake a cake



Question 6: Evaluate the picture

(6)



6.1 What is the process called?

Photosynthesis (Plants making their own food)

6.2 What gas does the plant release into the sky?

Oxygen (NOT air)

6.3 Where does the plant get its energy from?

The sun

6.4 Why do plants need soil? (Give two reasons)

- * Gives nutrients to the plant
- * Anchors the plant

6.4 Where does the carbon dioxide in the air come from?

All living things (people, animals)

TOTAL: 45