

Laerskool Van Dyk Primary



Ekhurhuleni South

EMIS: 700160994

Subject: NS & Tech

Grade: 5

Term: 4 (2019)

Moderator: M. du Preez

Time Allocation: 1 Hour

Mark Allocation: 45

Examiner: R. Podges

Specific Aims: 1, 2, 3

Learner: _____

Date: 6 November 2019 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>7</i>
<i>Mark</i>							

Instructions:

- 1. Please write neatly*
- 2. Write with a blue or black pen*
- 3. Answer all the questions*
- 4. Drawings must be in pencil*

Section A

Question 1: Multi choice

(10)

Select one correct answer and underline the correct answer.

1.1 What does all plants and animals on earth need to survive?

- a) Sunlight, water, air and soil
- b) Plants, soil, air and water
- c) Water, air and soil
- d) Sunlight, air and water

1.2 What is sandy soil made of?

- a) Humus
- b) Fine grains of broken rocks
- c) Coarse grains from broken rocks
- d) Mixture of loam and clay

1.3 Sub Soil is the _____ layer of soil

- a) First
- b) Second
- c) Third
- d) Forth

1.4 A radio changes electrical energy into _____ energy

- a) Light
- b) Heat
- c) Movement
- d) Sound

1.5 Limestone is a sedimentary rock that is made from

- a) sand
- b) rock
- c) clay
- d) shells

1.6 Body fossils are

- a) Preserved signs of animals such as footprints
- b) Hard parts of the body that forms fossils
- c) Fossils of plants
- d) Fossils of human bodies

1.7 The input energy for an electrical lightbulb is _____

- a) Light
- b) Heat
- c) Electricity
- d) Stored

1.8 How can you tell which layer in sedimentary rock is the oldest?

- a) The layer on the top

- b) The layer with the darkest colour
 - c) **The layer at the bottom**
 - d) The layer with the lightest colour
- 1.9 South –Africa’s main power station uses _____
- a) Water
 - b) Wind
 - c) Sun
 - d) **Coal**

- 1.10 When there is a fire in the house you must _____
- a) Play with matches
 - b) Use fuel to put out the fire
 - c) **Get out of the house**
 - d) Open a window

Question 2: True or False

(5)

State whether the following statements are True or False

- 2.1 The sun takes 365 days to revolve around the Earth. **False**
- 2.2 The Earth’s axis is straight up. **False**
- 2.3 The Earth takes 24 hours to complete a rotation. **True**
- 2.4 Wind Turbines is a renewable power source. **True**
- 2.5 Always use electrical appliances with wet hands. **False**

Question 3: Rearrange the Columns

(5)

Match the words in Column A with their meanings in Column B. Write down your answer (Column B’s letter) in column C.

Column A	Column B	Column C
3.1 Day and night	a. Source of stored energy	3.1 B
3.2 Seasons	b. Caused by the rotation of the Earth	3.2 D
3.3 Revolution	c. Movement of a planet around its own axis	3.3 G
3.4 Rotation	d. Caused by the revolution of the Earth around the sun	3.4 C
3.5 Battery	e. Movement energy	3.5 A
	f. Caused by the Earth’s orbit	
	g. Movement of a planet around the sun	
	h. Fossil fuels	

Question 4: Definitions

(5)

Give one word for the following statements

- 4.1 The remains of ancient living things preserved in rock. **Fossils**
- 4.2 Break down into smaller parts. **Decompose**
- 4.3 Two or more parts working together to create a function. **System**
- 4.4 A machine that produces electricity. **Generator**

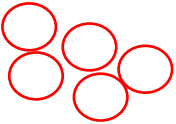

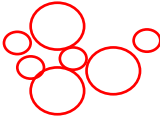
4.5 A kind of sedimentary rock made from sand. **Sandstone**

Section B

Question 4: Soil types

(5)

4.1 Compare the three different soil types by completing the table

Soil type	Sand	a) Clay	Loam
Grain size	b) Big grains	Mostly small grains	b) Mixture of sand and clay
Particles		d) 	e) 

4.2 Complete the following sentence:

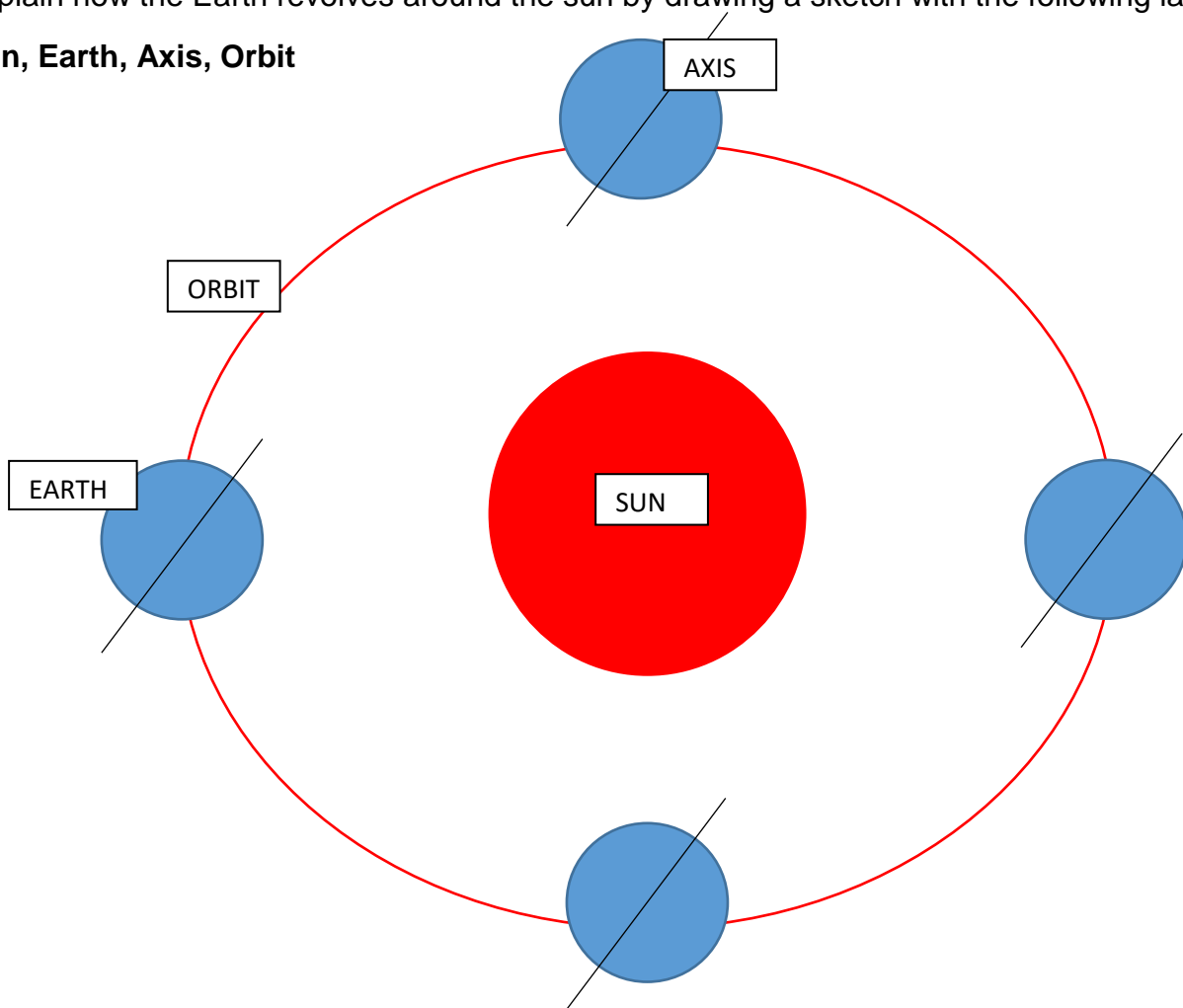
Loam soil is the best soil to plant plants in.

Question 5: Earth

(6)

Explain how the Earth revolves around the sun by drawing a sketch with the following labels:

Sun, Earth, Axis, Orbit



Question 6: Short questions

(5)

6.1 Label the fire triangle

a) OXYGEN

b) HEAT

c) FUEL



6.2 What will happen when you open a window of a burning house? Give a reason for your answer

The fire will get bigger because more oxygen will be added to the fire

Question 7: Fossils

(4)

Read the passage about Early Human fossils and the Cradle of Humankind and answer the questions that follow

There are many fossil sites in South Africa. In Gauteng is the Cradle of Humankind Maropeng Centre outside Johannesburg. Some of the world's most famous and important fossils have been found at the Sterkfontein Caves near Johannesburg. This area is called the Cradle of Humankind. The first fossils found at the Stekfontein Caves were the skeleton of Little Foot and the skull of Mrs Ples. It is a world Heritage Site, this means that it is protected because it has something that is very vulnerable.

7.1 Suggest a reason why the Cradle of Humankind is a world Heritage site

They found fossils

7.2 What type of fossils were found in the Sterkfontein caves (Body fossils or Trace fossils), give a reason for your answer

Body fossils, they found a skeleton and a skull

7.3 Why do you think fossils are important?

They give us more information about animals and plants that lived long ago

TOTAL:45