

GENERAL EDUCATION AND TRAINING

NATURAL SCIENCES AND TECHNOLOGY

NKANGALA DISTRICT ASSESSMENT

GRADE 4

NOVEMBER 2024

TOTAL MARKS: 30

DURATION: 60 Minutes

SURNAME AND NAME:

NAME OF SCHOOL:

DATE:

Circuit :

Grade 4 NS/Tech November TERM 4 FORMAL ASSESSMENT

Performance Analysis (For teachers' use only)

QUESTION	1	2	3	4	5	6	7	8	9	TOTAL
Possible mark	4	4	2	2	3	2	3	7	3	30
Learner's mark										
Moderator's mark										

INSTRUCTIONS

1. Read all the instructions carefully.
2. All questions must be answered in the spaces provided.
3. Write neatly and legibly.
4. This paper consist of 09 pages.

QUESTION 1

Circle the letter of the correct answer.

1.1 We get almost all our energy from our closest star (1)

- A. The Moon
- B. The Sun
- C. Venus
- D. Mercury

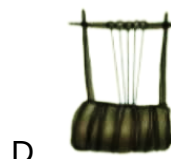
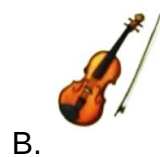
1.2 A thin layer of air surrounding the Earth is called... (1)

- A. Atmosphere
- B. Soil
- C. Ocean
- D. Clouds

1.3 How many days does the Moon take to orbit the Earth? (1)

- A. 365 days
- B. 2000 days
- C. 10 days
- D. 29 ½ days

1.4 Which of the following is a blowing instrument? (1)



[4]

QUESTION 2

Match **Column A** with **Column B** and match the correct letter to the correct number in **Column C**.

COLUMN A	COLUMN B	COLUMN C
2.1 The output energy of a traffic light (robot).	A. Electrical energy	2.1 =
2.2 Input energy that makes a T.V. work.	B. The Sun	2.2 =
2.3 A source of Wind energy	C. Light energy	2.3 =
2.4 Main source of energy on Earth	D. Fan	2.4 =
	E. Food chain	

[4]

QUESTION 3

Use the words from the box below and complete the sentences.

Guitar	Percussion	Energy
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3.1 _____ is the ability to do work. (1)

3.2 Musical instruments that we beat are called _____. (1)

[2]

QUESTION 4

Read the following newspaper article and answer the questions that follow.

Deafening sounds affect musician's hearing

Pete Townsend, a famous band player, is deaf in one ear, but can still hear sounds in his other ear. The deafness was caused by a set of drums exploding on stage and by listening to loud music in the studio during recordings. His ears were also affected by playing his electric guitar very loudly. He also said that wearing headphones all the time affected his ears.

Source: www.hearnet.com/features/articles/artist_article_celebs_shtm

4.1 What causes Pete Townsend's ear to be deaf? (2)

[2]

QUESTION 5

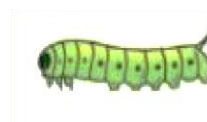
5.1 Study the pictures below and re-arrange the food chain in the given space. [You may answer by writing or drawing]. (3)



Chameleon



Leaf



Caterpillar

➡

➡

[3]

QUESTION 6

Study the below picture carefully.

6.1 Circle any **TWO** objects that give us **sound energy**: (2)



[2]

QUESTION 7

Sort the following musical instruments into Western and African culture



Kudu horn



Violin



Kwela flute

WESTERN CULTURE	AFRICAN CULTURE

[3]

QUESTION 8

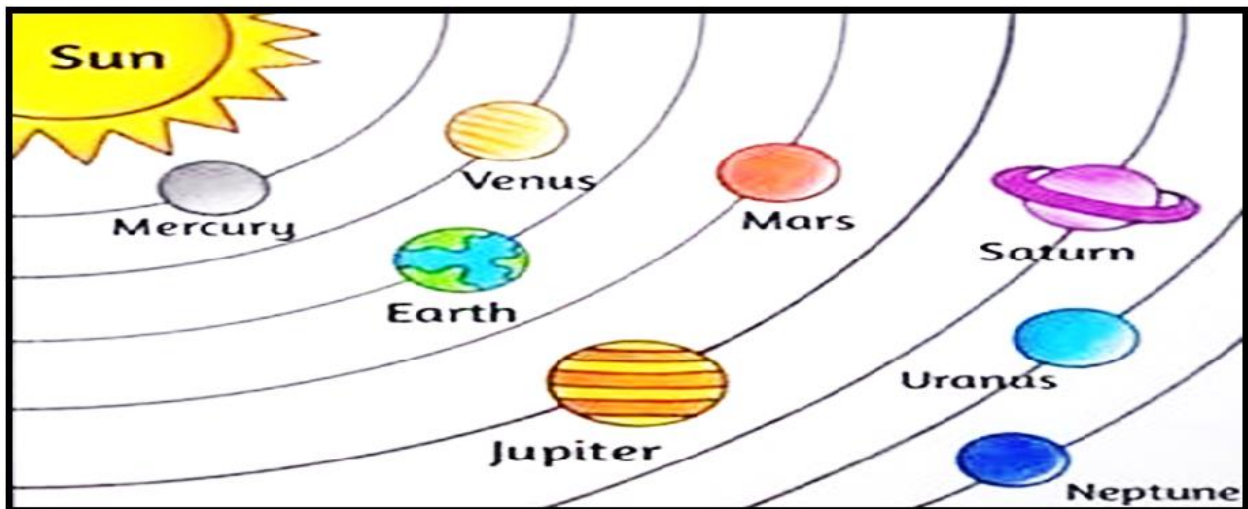
Study the picture of the Earth and answer the questions below.



8.1. Write any **TWO** features of the Earth.

(2)

8.2 Look at the diagram of the Solar System and answer the questions.



8.2.1 The Sun is made of a rock. _____ [TRUE / FALSE] (1)

8.2.2 Why is Neptune the coldest planet? (2)

8.2.3 Arrange Mars, Venus, Mercury, and Earth in order from the **Sun**. (2)

[7]

QUESTION 9

Study the picture below and answer the questions.



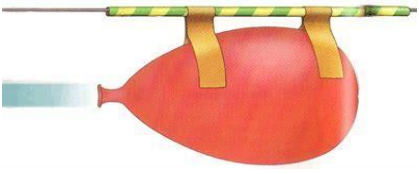
9.1 Identify the person in the picture above.

_____ (1)

9.2 Explain how people like the person in the picture above are able to go to the moon.

_____ (1)

9.3 Compare the speeds of a rocket and a balloon. Answer the question below.

	
Balloon speed: 1 metre per 2 seconds	Rocket speed: 7,9 kilometres per 1 second

9.3.1 Which travels faster?

_____ (1)

[3]

TOTAL MARKS:30

THE END!!