

**EKURHULENI NORTH DISTRICT
NATURAL SCIENCES AND TECHNOLOGY
COMMON PAPER (MEMO)**

Grade 4

Time: 60 minutes

Marks 40

Name of School: _____

Name of Learner: _____

Term 4

November 2015

Aims 1, 2 and 3

Knowledge Strands: Energy and Change, Earth and Beyond

Instructions:

1. Answer all the Questions.
 2. Write your answer on the answer sheet.
 3. Use a pen to complete your paper.
 4. All drawings must be done in pencil.
 5. Good luck.
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Question 1.

Multiple choices:

Read each question and circle the letter A, B, C or D next to the number of the question.

1.1 Energy is all us.

- A.
- B. around**
- C.
- D.

1.2 We need energy to carry out Processes.

- A. **life**
- B.
- C.
- D.

1.3 We get our energy by eating

- A.
- B.
- C.
- D. **plants and animals**

1.4 The is the closest star to earth?

- A.
- B.
- C.
- D. **sun**

1.5 We get almost all our energy on earth from the sun. We call this energy energy.

- A. **solar**
- B.
- C.
- D.

1.6 We cannot see rays but they burn our skin when we are in the sun without sun block.

- A. **ultraviolet**
- B.
- C.
- D.

(6)

Question 2

Match the letter in Column C with the word in Column A. Write your answer in Column B (letter).

COLUMN A	COLUMN B	COLUMN C
Sun	<u>A</u>	A. Heat source
Candle	<u>C</u>	B. Movement
Riding your bicycle	<u>B</u>	C. Light source
Listen to music	<u>D</u>	D. Vibration
Batteries	<u>G</u>	E. Stored energy
		F. Petrol
		G. Torch

(5)

Question 3.

Choose the correct word

Use the word list to correctly complete the sentences below.

vibrations; chemicals; transport; transferred; all around us; food;
heat

3.1 Energy is **all around us**.

3.2 Energy can be stored in **food**.

3.3 Energy can be moved in the form of **heat**.

3.4 Different **vibrations** will make different sounds.

3.5 Batteries also contain **chemicals** which are used to store energy.

3.6 Electrical energy can be **transferred** from a source to a light bulb to

make it glow.

(6)

Question 4.

Complete the following table.

Musical instruments are classified into three different groups, wind instruments, string instruments and percussion instruments. Arrange the instruments in the word box in the correct categories.

violin; rattles ; kudu horn; flute; xylophone; harp; kwela flute; drum

WIND INSTRUMENTS:	STRING INSTRUMENTS:	PERCUSSION INSTRUMENTS:
Kudu Horn	Harp	Drum
Flute	Violin	Rattles
Kwela Flute		Xylophone

(8)

Question 5.

Missing words.

6.1 How many continents are there?

7

(1)

6.2 Name the continent that we live on:

Africa

(1)

6.3 Name the three oceans that cover most of the surface of the earth.

Indian Ocean; Atlantic Ocean; Pacific Ocean;

(3)

6.4 Which is the smallest: Moon; Earth; or Sun?

Moon

(1)

Question 6.

Find the words in the word box and circle or colour the words.

R	S	U	N	Q	F	D	L	W	E	A	M
C	G	D	J	G	O	D	O	O	K	S	O
R	E	F	L	E	C	T	O	R	K	K	V
A	C	O	L	I	D	W	X	L	S	A	E
N	O	H	D	E	N	E	R	G	Y	S	M
G	F	G	A	I	C	W	J	U	S	N	E
E	V	V	X	I	B	T	Z	L	Q	K	N
H	E	X	Q	W	N	H	E	E	D	B	T
E	Q	V	C	T	R	A	N	S	F	E	R
A	E	Y	U	J	E	D	F	N	Y	Y	B
T	T	T	Z	U	T	K	L	I	G	H	T
K	E	P	A	B	S	O	R	B	H	U	M

(5)

Question 7.

Complete:

To remember the names of the planets you can use a rhyme to help you with the names. Write down the names of all the planets in our solar system (if possible from the closest to the sun to the furthest away.) **any order can be marked correct.**

<u>PLANETS</u>	
1.Mercury	5.Jupiter
2.Venus	6.Saturn
3.Earth	7.Uranus
4.Mars	8.Neptune

(4)

TOTAL 40 MARKS