

**EKURHULENI NORTH DISTRICT
NATURAL SCIENCES AND TECHNOLOGY**

COMMON PAPER

NOVEMBER 2015

Grade 4

Time: 60 minutes

Marks 40

Name of School: _____

Name of Learner: _____

Term 4

November 2015

| QUESTION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | TOTAL | LEVEL | | | | | | | | |
|----------------|---|---|---|---|---|---|---|-------|-------|---|---|---|---|---|---|--|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | |
| LEARNER'S MARK | | | | | | | | | | | | | | | | | |
| MAXIMUM MARK | 6 | 5 | 6 | 8 | 6 | 5 | 4 | 40 | | | | | | | | | |

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.
-

Question 1.

Multiple choices:

Read each question and circle the letter A, B, C or D.

Choose the correct answer:

1.1 Energy is all us.

- A. with
- B. around
- C. in
- D. carrying

1.2 We need energy to carry out processes.

- A. life
- B. work
- C. sport
- D. play

1.3 We get our energy by eating

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

1.4 The is the closest star to earth?

- A. Saturn
- B. Moon
- C. Pluto
- D. Sun

1.5 Almost all our energy on Earth comes from the sun. We call this energy

- A. solar
- B. chemical
- C. heat
- D. sun

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

- A. ultraviolet
- B. sun
- C. fire
- D. electrical

(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 | | A. Heat source |
| Candle | | B. Movement |
| Riding your bicycle | | C. Light source |
| Listen to music | | D. Vibration |
| Batteries | | E. Stored energy |
| | | F. Petrol |
| | | G. Torch |

(5)

Question 3.

Choose the correct word from the word box.

| |
|---|
| Vibrations, chemicals, transport, transferred, all around us, food, heat, |
|---|

3.1 Energy is _____ us.

3.2 Energy can be stored in _____.

3.3 Energy can be moved in the form of _____.

3.4 Different _____ will make different sounds.

3.5 Batteries also contain _____ which are used to store energy.

3.6 Electrical energy can be _____ 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: |
|--------------------------|----------------------------|--------------------------------|
| | | |
| | | |
| | | |
| | | |
| | | |

(8)

Question 5.

Write the answer on the line below.

6.1 How many continents are there?

_____ (1)

6.2 Name the continent that we live on:

_____ (1)

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

_____ ; _____ ; _____ (3)

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

_____ (1)

Question 6.

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

| |
|---|
| energy, movement, absorb, reflect, transfer |
|---|

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 the closest to the sun to the furthest away.) or just name them.

| Planets | |
|---------|----|
| 1. | 5. |
| 2. | 6. |
| 3. | 7. |
| 4. | 8. |

(4)

TOTAL 40 MARKS