



TOM NEWBY SCHOOL EXAMINATION



Subject	NS and TECH	Examiner	Miss M. Mpesu
Date	November 2019	Total marks	40
Session	1	Duration	1 hour
Grade	4	Moderator	Mrs M. Fourie
Special instructions/ Equipment	<ol style="list-style-type: none"> 1. Read the instructions carefully 2. Write neatly 3. Take note of the mark allocation 4. Good luck 		
<p>This assessment has been compiled using notes and information contained in the Tom Newby School resource material. The marking memorandum has been compiled accordingly. While alternative responses will be given due acknowledgement, the official memorandum will be considered a priority document to ensure uniformity of marking.</p>			

Name: MEMO	Surname:	Class:
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Section A			Section B		Section C
1	2	3	4	5	6
7	7	6	8	6	5

SECTION A

(7)

QUESTION 1

Say whether the statements are True or False.

- 1.1 Energy cannot be stored _____ **False ✓** _____
- 1.2 Sound cannot travel through water _____ **False ✓** _____
- 1.3 The sun is round _____ **False ✓** _____
- 1.4 Input energy is energy that makes the system work _____ **True ✓** _____
- 1.5 The sun takes a year to orbit the Earth _____ **False ✓** _____
- 1.6 The pattern of the moon repeats itself about twice a month _____ **False ✓** _____
- 1.7 Planet Earth has 7 continents _____ **True ✓** _____

QUESTION 2

(7)

Circle the correct answer

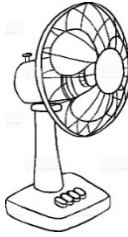


- 2.1 Which two words almost mean the same thing
 - a) reflect and revision
 - b) volume and loudness ✓**
 - c) hard and soft
 - d) input and output

- 2.2 Sound is a form of _____
- a) Energy
 - b) Vibration ✓
 - c) Pitch
 - d) Volume
- 2.3 The harder you hit a drum
- a) The louder the volume ✓
 - b) The higher the pitch
 - c) The lower the pitch
 - d) The softer the volume
- 2.4 What shape is the Earth?
- a) A square
 - b) A circle
 - c) A sphere ✓
 - d) A globe
- 2.5 Which of the following is not a continent
- a) Spain ✓
 - b) Australia
 - c) Antarctica
 - d) Asia
- 2.6 Which is the closest star to Earth?
- a) Moon
 - b) Santauri
 - c) Milky way
 - d) Sun ✓
- 2.7) The sun and planets are called
- a) Astroids
 - b) Milky way
 - c) Orbit
 - d) Solar System ✓

QUESTION 3

(6)

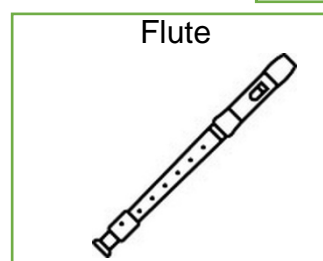
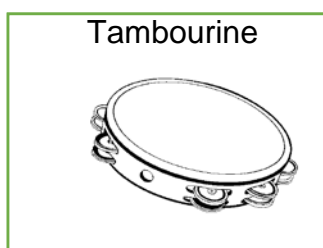
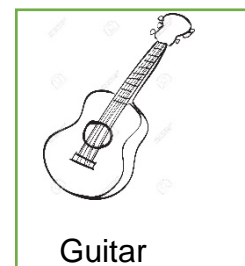
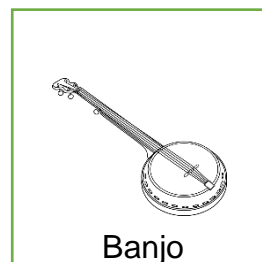
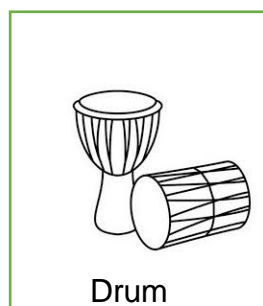
Fill in the table below

INPUT ENERGY	MACHINE/APPLIANCE	OUTPUT ENERGY
1. Potential or stored or electric ✓	1. 	1. Movement or mechanical ✓
2. Stored or chemical ✓	2. 	2. Heat or light ✓
3. Potential or stored or electric ✓	3. 	3. Light or heat ✓

TOTAL: 20 MARKS**SECTION B****QUESTION 4**

(8)

Write the names of the following instrument in the correct column.



PERCUSSION INSTRUMENT	WIND INSTRUMENT	STRING INSTRUMENT
Xylophone ✓ Tambourine ✓ Drum ✓	Flute ✓ Trumpet ✓	Banjo ✓ Guitar ✓ Cello ✓

QUESTION 5**(6)**

Use the words in the word box to complete the sentences.

Producer, sun, plant, photosynthesis, transferred, consumer

- 5.1 Plants make their own food and called produces ✓ _____.
- 5.2 Man and animals are called consumers ✓ _____ because they find/eat food.
- 5.3 Plants make their own food and the process is called photosynthesis ✓ _____.
- 5.4 Sun ✓ _____ is the original source of any food chain.
- 5.5 Plant ✓ _____ is the first living thing in any food chain.
- 5.6 Draw a food chain that ends with a human. (must have sun and producer) ✓

TOTAL : 14 MARKS

SECTION C**QUESTION 6****(6)**

6.1 The Xhosa tribes believed that there are many new moons, each old moon being replaced by a new one. We know, now, that a new moon is just one of the phases of the moon. How much of the Sun's reflection on the Moon can be seen from Earth when a new moon is in the sky?

None ✓

6.2 According to the San people, why is the sun punishing the moon?

The moon did something that made the sun angry ✓

6.3 Many tribes saw pictures on the surface of the moon. What are these pictures actually caused by?

The shadows in craters. ✓

6.4 Write two sentences to explain how the shape of the moon affected the Sotho, Venda and Tswana people?

When the points were turned up people were not sick but when turned down people were sick ✓

6.5 What is the same among the Tswana and San beliefs about the moon?

When the points were turned up people were not sick but when turned down people were sick ✓

6.5 What is the same among the Tswana and San beliefs about the moon?

Their beliefs have humans in them ✓

GRAND TOTAL : 40 MARKS