



# TOM NEWBY SCHOOL EXAMINATION



<b>Subject</b>	<b>NS/TECH</b>	<b>Examiner</b>	<b>MS M. MPESU</b>
<b>Date</b>	<b>14 November 2018</b>	<b>Total marks</b>	<b>40</b>
<b>Grade</b>	<b>4</b>	<b>Duration</b>	<b>1 HOUR</b>
		<b>Moderator</b>	<b>MRS M. FOURIE</b>
<b>Special instructions/ Equipment</b>	<b>1. Read the instructions carefully</b> <b>2. Write neatly</b> <b>3. Take note of the mark allocation</b> <b>4. Good luck</b>		
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.			

<b>Name:</b>	<b>Surname:</b>	<b>Class:</b>
--------------	-----------------	---------------

## SECTION A

### QUESTION 1 (Multiple Choice) (5)

Select the most correct answer from the choices given. Circle the letter of the answer that you have chosen.

Use the images below to answer question 1 and 2.



1. Which picture shows the end consumer in the food chain?

- a. Frog
- b. Snake
- c. Hawk
- d. Grasshopper

2. Which picture shows an energy producer?

- a. Snake
- b. Sun
- c. Hawk
- d. Frog

3. Which one of the words below is a source of sound energy?

- a. Lamp
- b. Loud speaker
- c. Electric Iron
- d. Fan

4. Noise pollution can be caused by \_\_\_\_\_

- a. The sound of light rain falling on the ground
- b. Chirping of birds
- c. Singing a soft song
- d. The blowing horns of a truck

5. Pitch is \_\_\_\_\_
- How high or low a sound is
  - How long or short a sound is
  - How loud or soft a sound is
  - Vocal cords

**QUESTION 2 (True or False)**

**(6)**

Decide whether the statement is true or false. Write True or False.

- Sound occurs when something vibrates. \_\_\_\_\_
- All machines need input energy to work. \_\_\_\_\_
- Musical instruments produce light energy. \_\_\_\_\_
- Noise and sound pollution are the same. \_\_\_\_\_
- Indigenous Zambian musical instruments are found naturally in Zimbabwe. \_\_\_\_\_
- There are 9 planets in the solar system. \_\_\_\_\_

**QUESTION 3 (Match the column)**

**(5)**

Match the word in column A to its definition in column B. Write your answer on the lines provided below the table.

Column A	Column B
1. Volume	a. What is needed for things to happen
2. Energy	b. To stretch a string and let it go
3. Vibrate	c. How loud or soft a sound is
4. Pluck	d. A form of energy
5. Heat	e. To move to and from a place with fast movements

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_ 5. \_\_\_\_\_

**QUESTION 4 (Fill in the missing words)**

**(5)**

Use the words below to complete sentences.

Continents	atmosphere	planets	habitat	Sun
------------	------------	---------	---------	-----

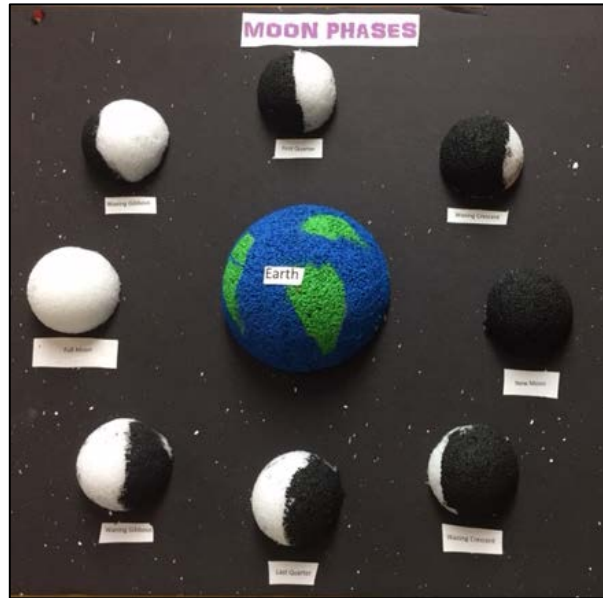
- Earth moves around the \_\_\_\_\_.
- Earth is one of the 8 \_\_\_\_\_.
- Each living thing on Earth has its own \_\_\_\_\_ (where it lives).
- The layer of air around the Earth is called the \_\_\_\_\_.
- The \_\_\_\_\_ are large pieces of land on the surface of the earth.

## SECTION B

### QUESTION 5

(7)

Look at the image below and answer the questions.



Unlike the sun, the moon does not create its own light. Instead, it reflects the light from the sun. As the Sun orbits around the Earth, we see different amounts of sunlight reflected on the moon and this makes it seem as though the moon is changing its shape. The side of the moon that faces the sun gets light, while the other side is dark.

1. Write down two differences between the moon and the Earth. (2)

a. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

b. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. The moon orbits around the Earth while the Earth orbits around the \_\_\_\_\_ (1)

3. What creates the phases of the moon? (1)

\_\_\_\_\_

4. **Draw** the Moon, Sun and the Earth in the order of biggest to smallest. Give each picture a heading to show what you have drawn. (3)

**QUESTION 6**

(6)

Compare the Sun and the Earth. List 3 differences.

The Earth	The Sun
1. _____ _____	1. _____ _____
2. _____ _____	2. _____ _____
3. _____ _____	3. _____ _____



**LEVEL 3**

**QUESTION 7**

**(6)**

Answer the following questions about Planet Earth.

1. Why is Earth called the blue planet? (1)

---

---

2. What is the surface of the Earth made of? (1)

---

---

3. What is the atmosphere? (1)

---

---

4. Explain the difference between an Island and a Continent. (1)

---

---

---

---

---

---

5. Why is the atmosphere important for life on Earth? (1)

---

---

6. Explain why the Sun is important for living things on planet Earth. (1)

---

---

---

---

---

---

**GRAND TOTAL: 40 MARKS**

**DRAFT - TOM NEWBY SCHOOL**