



TOM NEWBY SCHOOL
TERM 4 FORMAL ASSESSMENT



Subject	NSTech	Examiner	Miss M Mpesu
Date	November 2022	Total marks	30
Grade	4	Time allocation	1 hour
		Moderator	Mrs M Fourie
Special instructions/Equipment:			
1. Read carefully before answering. 2. Answer all the questions on the paper. 3. Work neatly 4. Good luck! Think before you INK!			
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.			

Name:	Surname:	Class:
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Section A – Matter and Materials [10]

Question 1 (5)

Circle the correct answer

<hr style="width: 80%; margin: auto;"/> 30

1.1 What is energy?

- a) Power
- b) Food chain
- c) Ability to do work
- d) The ability to absorb

1.2 Stored energy is sometimes called?

- a) Kinetic energy
- b) Potential energy
- c) Chemical energy
- d) Solar energy

1.3 All the following forms of energy are movement energy except____

- a) Heat
- b) Light
- c) Sound
- d) Electrical

- 1.4 Which of the following is a non-renewable energy source
- a) Coal
 - b) Wind
 - c) Sun
 - d) Water
- 1.5 Energy needed to make an appliance work is called _____ energy
- a) Output energy
 - b) Input energy
 - c) Transformation
 - d) Transfer

Question 2 (5)

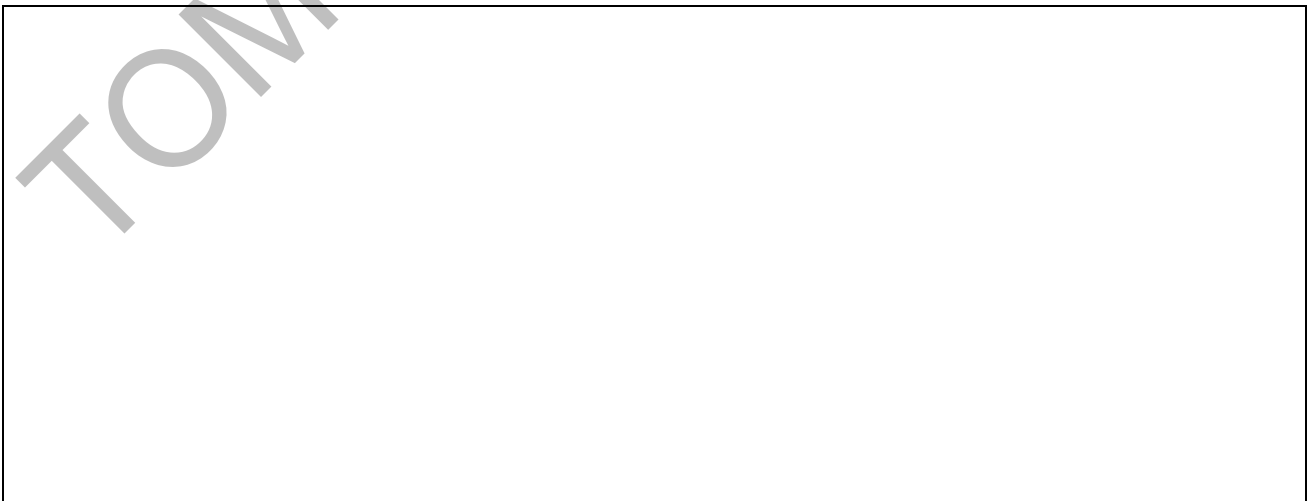
Answer True or False

- 2.1 Sounds can cause vibrations _____
- 2.2 Marimbas are wind musical instruments _____
- 2.3 Closing windows can reduce noise pollution _____
- 2.4 Sound cannot move through a solid _____
- 2.5 Hearing aids make sound louder _____

Section B – Matter and Materials and Planet Earth and Beyond [20]

Question 3 (5)

Draw and label the food chain that shows a plant, a herbivore and a carnivore.



Question 4 (5)

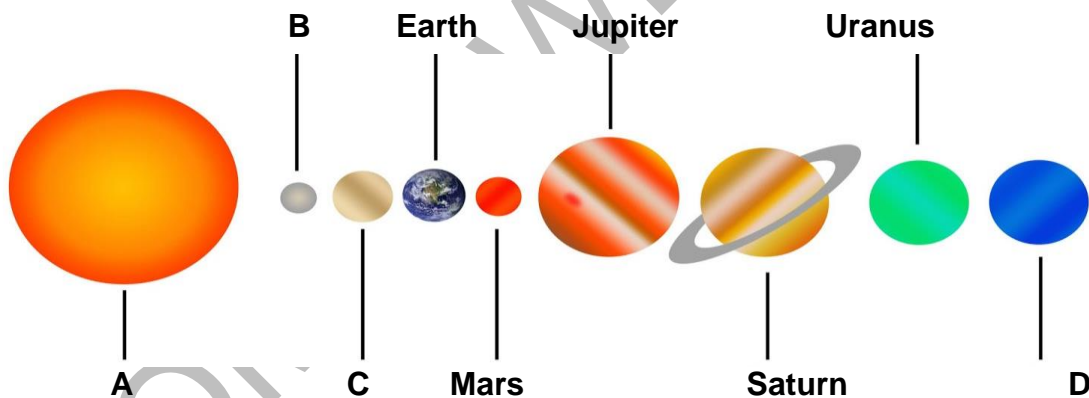
Match the statements in **Column A** with the correct word in **Column B**. Write the letter of the answer that you have chosen in the answer spaces provided below the table.

Column A		Column B	
4.1	The study of space is called?	a.	Planet
4.2	Earth is a	b.	12 000 000
4.3	Very big areas of land are called	c.	Astronomy
4.4	Earth is called the	d.	Continents
4.5	A person that travels to the moon is called an...	e.	Blue planet
		f.	Star
		g.	Astronaut
		h.	Islands

4.1 _____ 4.2 _____ 4.3 _____ 4.4 _____ 4.5 _____

Question 5 (4)

Study the image > Name the planets A, B, C and D. Write your answers on the lines provided below.



A _____
 B _____
 C _____
 D _____

Question 6 (6)

Read and answer the scientific questions below.

6.1 Why are we not supposed to listen to loud music?

6.2 Why is it possible for a human to jump higher on the Moon than on Earth?

6.3 Name one difference between a moon and a sun.

6.4 Explain why the Sun is important to life on Earth.

6.5 Explain the difference between the ocean and the sea

6.6 What is the solar system?



TOTAL: 30

Grade 4 NS/Tech November TERM 4 FORMAL ASSESSMENT

Performance Analysis

(For teachers use only)

Name: _____

Class: _____

	SECTION A			SECTION B			
QUESTION	1	2	3	4	5	6	TOTAL
Possible mark	5	5	5	5	4	6	30
Learner's mark							
Moderator's mark							