TOM NEWBY SCHOOL

GRADE 7 NS JUNE TEST 2022

Subject	**Natural Science**	**Examiner**	**Miss van Coppenhagen**
Date	**June 2022**	**Total marks**	**60**
Grade	**7**	**Duration**	**1 ½ Hours**
		Moderator	**Mrs Fourie**

Special instructions/ Equipment	**1. Answer all the questions on the answer sheet provided.** **2. Read and answer ALL questions thoroughly.** **3. Write neatly and legibly in blue pen.** **4. Use a pencil for any drawings.** **5. 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:

SECTION A – LIFE AND LIVING AND SEXUAL REPRODUCTION **[25]**

QUESTION 1 **[10]**

Provide the name of each of the following:

2.1 The organ that releases the egg cells: _____ (1)

2.2 The tube that carries the egg to the uterus: _____ (1)

2.3 The organ that produces sperm cells: _____ (1)

2.4 The tube that carries sperm cells and urine out of the body: _____ (1)

2.5 A gland that secretes fluid to provide the sperm with energy: _____ (1)

2.6 The part that contains and protects the testes: _____ (1)

2.7 The opening to the uterus, commonly called “the neck of the womb”: _____ (1)

2.8 The part that fills with blood and becomes swollen and erect during sexual intercourse: _____ (1)

2.9 The part that stores the sperm cells: _____ (1)

2.10 The part where the foetus will develop: _____ (1)

QUESTION 2 **[10]**

Define the following terms:

1.1 Puberty (2)

1.2 Menstruation (2)

1.3 Hormones (2)

1.4 Epididymis (2)

1.5 Ova (2)

QUESTION 3 **[5]**

3.1 What are the fertilisation stages in humans from sexual intercourse to pregnancy? (4)

3.2 Explain why a pregnant woman should eat a healthy diet and not take drugs or drink alcohol. (1)

SECTION B – MATTER AND MATERIALS [15]

QUESTION 4

Identify if the following statements are **TRUE** or **FALSE.** **[5]**

4.1 Only acids are corrosive, bases are not. _____ (1)

4.2 Plastics are biodegradable. _____ (1)

4.3 Silicon is a non-metal. _____ (1)

4.4 All elements on the Periodic Table are represented by both symbol and an atomic number. _____ (1)

4.5 Sulphur dioxide released by burning fossil fuels can lead to the formation of acid rain. _____ (1)

QUESTION 5 [5]

Answer the following questions on mixtures/methods of physical separation:

5.1 Explain what the term 'boiling point' means. (1)

_____

5.2 What is the change of state that takes place when water boils? (1)

_____

5.3 Ethanol has a lower boiling point than water. Name and describe which method of separation would you use to separate a mixture of ethanol and water? (3)

_____

_____

_____

_____

_____

_____

QUESTION 6 [5]

Answer the following questions on taste of substances.

6.1 What does the number seven on the pH scale indicate? (1)

_____

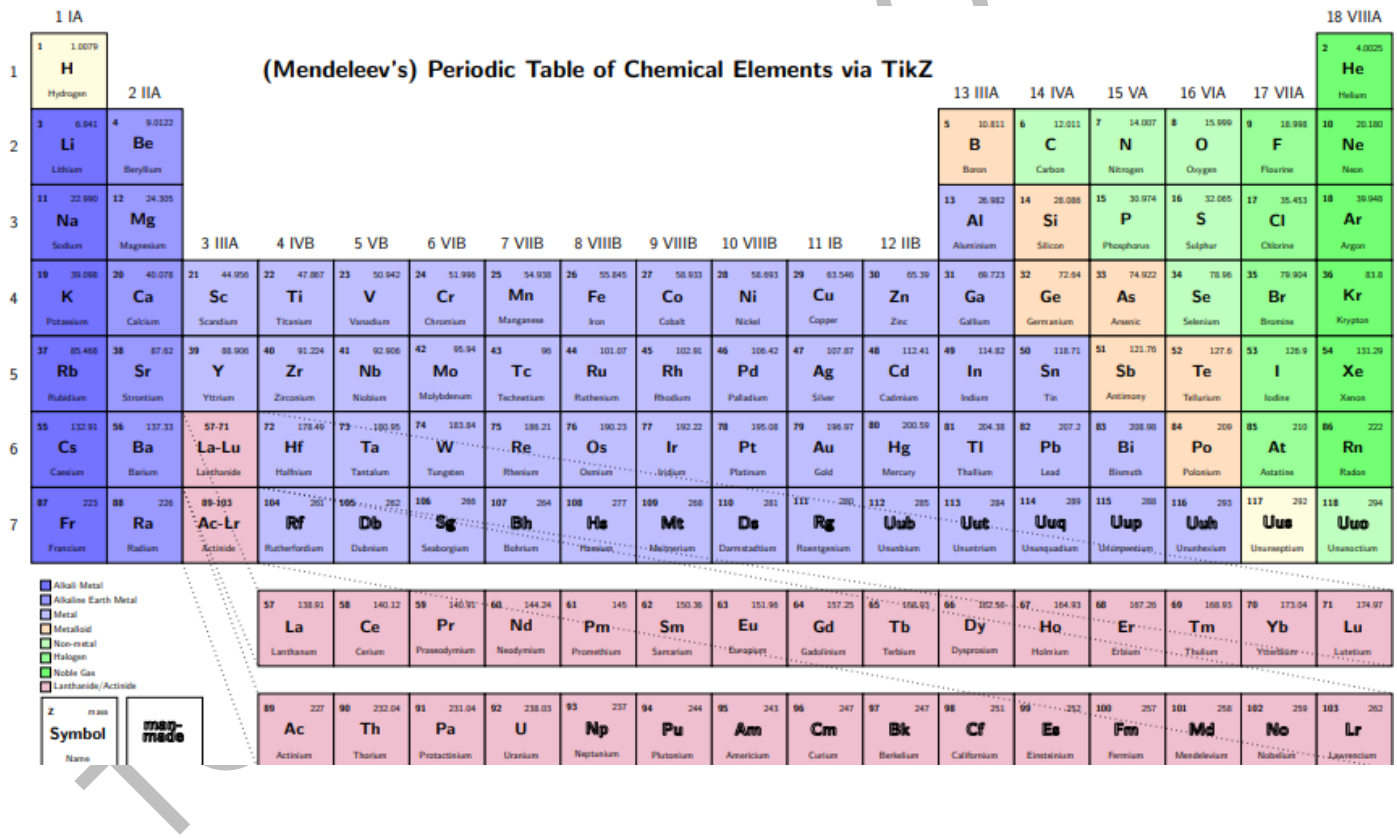
6.2 Mention two properties of an acid and two properties of a base. (4)

A	Properties of an acid.	B	Properties of a base.
1.		1.	
2.		2.	

SECTION C – ELEMENTS ON THE PERIODIC TABLE [20]

QUESTION 7

Look carefully at the Periodic table to answer the questions.



7.1 What are the names of the following elements:

a) K = _____ (1)

b) Cl = _____ (1)

c) Na = _____ (1)

d) Mg = _____ (1)

7.2 Name 3 semi-metals, 3 metals and 3 non-metals from the Periodic Table? (9)

Semi-metals	Metals	Non-metals

7.3 List at least one **use** for the following elements:

a) Aluminium _____ (1)

b) Gold _____ (1)

c) Copper _____ (1)

d) Lithium _____ (1)

e) Argon _____ (1)

7.4 Name an element that you use every day and explain how you use it. (2)

_____

_____

TOTAL [60]

PERFORMANCE ANALYSIS

GRADE 7 NS TEST JUNE 2022

(For Teacher use only)

Name: _____ Grade 7: _____

Section A: Question Number	**1**	**2**	**3**	**4**
Possible Mark	**10**	**10**	**5**	**5**
Learner Mark				
Moderator Mark				

Section B: Question Number	**5**	**6**	**7**
Possible Mark	**5**	**5**	**20**
Learner Mark			
Moderator Mark			