

**KIYALA HIGH SCHOOL**  
**END OF YEAR ASSESSMENT TEST 2024**  
**CHEMISTRY**  
**S.3**

**Time: 2 Hours**

**INSTRUCTIONS:**

- This paper consists of **two** sections, **A** and **B**. It has **six** examination items.
- Section **A** has **two compulsory** items.
- Responses to this section are to be written in the spaces provided in this booklet.
- Section **B** has **two** parts, **part one** and **part two**.
- Answer **one item** from **each part** in section **B**.
- Responses to this section are to be written in the answer booklet provided.
- Any additional item answered will **not** be scored.

**SECTION A**

*Attempt all items in this section*

**Item 1**

Aluminum chloride is one of the substances which are mostly used in water treatment to remove impurities and contaminants from water. Reuben, one of the bio-chemist is concerned of the would be impact of this substance



in the environment and would like to know more about this substance

***Task***

As a chemistry learner;

**a)** Explain the category of the product.

**(03scores)**

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b) Guide him on the suitability of the product.

(03scores)

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c) Advise him on the impact of the substance on the environment.

(02scores)

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## **Item 2**

A certain art man was given to make a school bell for a certain school. After his work, he tested the bell by ringing it but couldn't give a deep and ringing sound. He became confused and couldn't know where he made a mistake.



### ***Task***

As a learner of chemistry;

a) Identify the problem that the art man made while choosing the substance for use.

(03scores)

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b) Predict on the properties of the substance used by the art man.

(03scores)

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c) Advise him on the impact of the substance on the environment.

(02scores)

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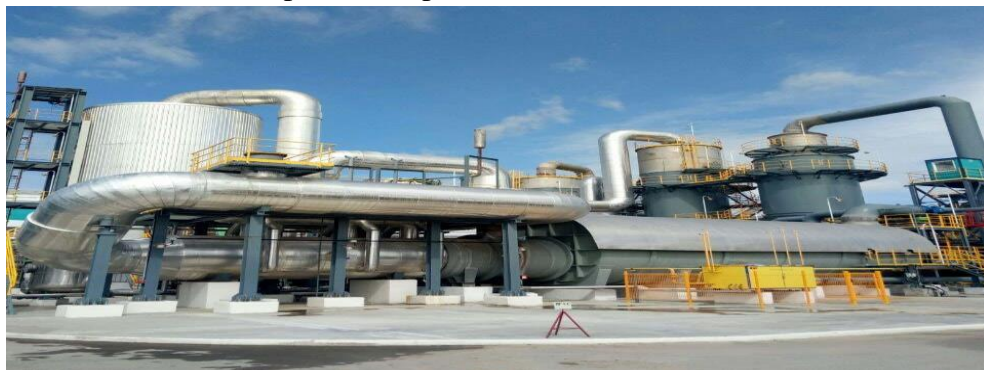
## SECTION B

### PART I

*Attempt only one item from this part.*

#### **Item 3**

Sulphuric acid is widely used today in the manufacture of fertilizers that improve crop yields. To ensure that sulphuric acid is available at a cheaper cost, the government has decided to set up a sulphuric acid production plant in your area. However, the community members are worried about the environmental impact and would like to know how the process of production will be carried out.



Your LC1 has called for a meeting and you have been invited to talk to the community members.

#### ***Task***

As a learner who has studied chemistry of sulphuric acid, write a message you would deliver on that day  
(08scores)

#### **Item 4**

One of the critical processes in chemical industries is the production of oxygen, which has various industrial and medical applications. However, the production of oxygen can have environmental implications, and it's essential to assess its impact.

#### ***Task***

Prepare a comprehensive report addressing the production of oxygen and its environmental impact.  
(08scores)

## PART II

*Attempt only one item from this part.*

### **Item 5**

Following the discovery of oil in Bunyoro region, its extraction is under way in high gear. As a result, many trees have been cut to clear land for the project yet the region has been known for learning. The residents are unhappy with the activities of the project, complaining that it has interfered with the traditional activities and hence their livelihood.

#### ***Task***

As a chemistry learner, guide the project manager on his way of doing things.

***(08scores)***

### **Item 6**

There has been a rise in destruction of natural resources country wide for the last 10years and this has attracted the attention of the officials from National Environmental Management Authority (NEMA).



The officials are planning to sensitize the people country wide about sustainability of the natural resources through wide television broadcasts.

#### ***Task***

As a chemistry learner, prepare a write up you would deliver upon invitation as one of the presenters.

***(08scores)***

**\*\*\*END\*\*\***