

NAME: _____ **SREAM:** _____

S.2 HOLIDAY WORK FOR TERM 2 2026

CHEMISTRY

<i>FOR SCORER'S USE ONLY</i>	
SECTION A	
SECTION B	
<i>TOTAL SCORE</i>	

SECTION A

1. A washing competition was held at Goma division in Mukono District organised by a detergent company in order to evaluate its products. Two ladies participated and each was provided with a full jerrycan of bore water, a basin and a stained cloth. Joan was provided with detergent A while Josephine was provided with detergent B. Joan the usual winner of the competition used detergent A to clean the cloth but it remained with some dirty marks even after rinsing it several times. Josephine who used detergent B won the race as she cleaned the cloth with one rinse. Joan was frustrated and could not understand what went wrong this time round.

Task:

As a knowledgeable chemistry learner

- (a) Categorise detergents A and B

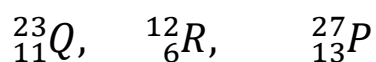
(b) Help Joan to understand how her product works.

(c) Advise the two ladies on the challenges associated with the use of the products.

(d) Evaluate the two products.

Item 2

Klova is a company which uses three different elements to make various products basing on their qualities and properties. The elements are represented by atom notations as shown below.



However, the nearby residents have cautioned the company about the use of such elements as they fear that they can pose some impacts to their environment.

Task

As a chemistry learner.

(a) Explain the categories of the elements being used by the company.

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(b) Give properties of the elements that make them to be used to make other products.

(c) Point out the impact of such elements on the environment plus its mitigation.

SECTION B PART I: ITEM 3

Air is a mixture of different components. It contains 21% oxygen. Due to a wide spread of respiratory ill cases caused by COVID -19, there was an increased demand for oxygen by patients in hospitals. The government supply of oxygen is not enough and is planning to set up an oxygen production plant with minimal environmental impact.

However, the science club members in your school would like to know how the production process will be carried out.

Task;

As a chemistry learner, prepare a write up you will use during the presentation.

PART II: ITEM 4

People of Kigaragara Village in Isingiro district can easily cross into Tanzania for charcoal business. Due to increase in population of this district, many natural forests have been cleared to provide charcoal for use as fuel and this has left the district officials wondering. As a result, the government through the district officials is planning to create awareness to the people in Isingiro District through sensitization workshops organized in different villages.

Task;

As a chemistry learner, prepare a short presentation that you will deliver during the workshop when invited.

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