

IGANGA TOWN VIEW SECONDARY SCHOOL

MID-TERM EXAMINATIONS

S.2 CHEMISTRY

DURATION: 2HOURS

SECTION A

- *Attempt all questions in this section*

Item 1.

Mayuge District local Government has planned to create Jobs for Jobless youth by setting up an industry that makes Kitchen utensils. However, they do not know the various materials and their properties that can be used to make the items. The district has contracted the chemistry department of your school to advise them on what elements/substances to be used as raw materials.



Task:

As a chemistry student who has learnt about periodic table, write a presentation you would give upon invitation being selected by the head of department.

(a) On the category of elements/substances

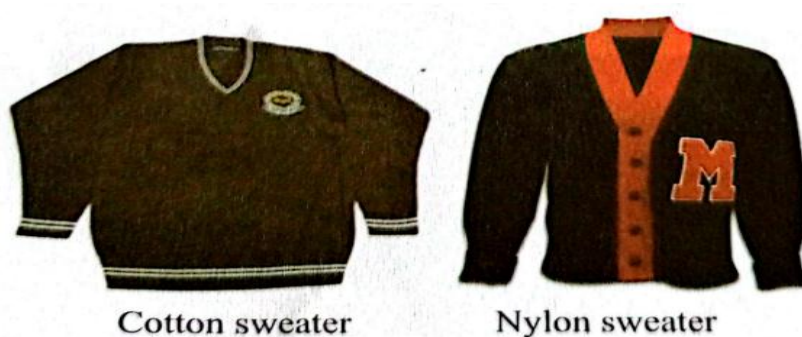
(b) Suitability of the element/substance

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(c) Choice of the element/substance

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(d) Impact of the element/substance on the environment and mitigation.

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Item 2.

The school wants to buy school sweaters and there are two available samples. One made from cotton and the other from nylon. However, the school managers do not have enough information on the materials. You have been approached for more information in order for them to make a choice.



Task:

As a chemistry learner,

(a) Help the school managers to understand;

(i) The category of the materials.

(ii) Suitability of materials

(b) Advise the school managers on the choice of materials to be bought.

SECTION B

Part I

*Answer **one** item from this part.*

Item 3.

One of the large scale uses of chlorine is treating water, to ensure that chlorine is readily available and at a cheaper cost. Government has cleared a local investor to set up a chlorine production plant near Lake Katwe in Kasese district. However, the community is concerned about its environmental effects and how the environmental process will occur. The class teacher has appointed you to sensitize the other learners.



Task:

Prepare a presentation you will make during the meeting.

Item 4.

Air which is a mixture of different components contains 21% oxygen. Due to a wide spread of respiratory illness 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 minimal environmental impact. However, the science club members in your school would like to know how the process of production will be carried out.



Task:

As a chemistry student, make a write up you will use during the presentation

Part II

Answer **one** item from this part.

Item 5.

Osukuru village in Tororo district is at the foot of Tororo rock. People of this village for a long time have practiced charcoal burning, animal husbandry, crop husbandry and stone quarrying. Recently the animals have started dying wells are drying up yet the little water available is not fresh. The locals are now wondering why all these are happening. a sensitization workshop is to be organized to explain the existing situation in the village. The theme of the work shop is **“MY ENVIRONMENT MY RESPONSIBILITY”**.



Task:

As a chemistry student, write a message you will deliver upon invitation.

Item 6.

Charcoal burning is one of the sources of income and the main source of fuel in Uganda but recently charcoal burning has attracted a national concern where the majority of the people are against it. Explain the effects of this economic activity and how it can be prevented.



END