

NATURAL RESOURCES

ITEM 1

Due to rapid population growth and the need for money, some natural resources have been exploited e.g. making of cement, road construction, and building, causing proportional environmental degradation



Your class is spearheading an environmental conservation awareness and preservation campaign in the district on the type of resource. You have been selected as their class speaker.

Task;

Write down the information you are to use during the presentation.

ITEM 2

Freshwater bodies like lakes and rivers have been heavily encroached on as a result of rapid urbanization which has impacted on the resource. On World Environment Day, the Ugandan government, particularly the National Environmental Management Authority (NEMA), wishes to raise public awareness among the citizens through debates.



The science club at your school has selected you to give a presentation on the occasion. On theme “CLEAN WATER IS BASIC NECESITY”.

TASK

Write the presentation you will use

ITEM 3

Uganda is facing prolonged droughts and unpredictable rain seasons, leading to difficulties in farming programs. The agricultural officers and some environmentalists attributes these issues to the overuse of **charcoal** and **kerosene** for cooking as one of the major causes. However, many citizens seem not to know the connection between their energy consumption habits and the environmental impact.



As future leaders and community members, students have been identified by environmentalists as key players in educating the citizens on how the habits have environmental implications.

You have been identified by your school as one of the students to be involved.

TASK

Write the message you will use to help the citizens understand.

ITEM 4

Residents in major cities are facing severe health risks due to **poor air quality** as a result of automobiles and poor garbage disposal. This requires urgent action to raise awareness and need to clean the natural resource.



The City Authorities and environmentalists through collaboration are ready to improve the situation. They plan to educate the public through articles written by students. Your Head Teacher is interested in the school participating and you have been chosen.

TASK

Write an article to be presented.

ITEM 5

A man in a certain village lived near a road that was always busy with cars that could produce fumes into dusty road. The man was not able to see objects that were 100 meters away from his house due to the dust particles. He also discovered that the community members were complaining about respiratory diseases. This man reported the issues to the LC1 chairperson of the village to address this issues by sensitizing the community members about the dangers of the incident.

Task: As a learner of chemistry, write a presentation that the chairperson will use to address his community members.

ITEM 6

A group of people in a certain village were living near the shores of lake, they had poor toilets facilities and the community members are complaining of cholera. The chairperson of the village would want to sensitize the people of the village about the dangers and side effects of the practices.

Task: As a chemistry student, make a presentation that you will give to the chairperson to present

Item 7

Recently, oil deposits were discovered in Western Uganda. A Chinese investor has been contracted by the government to extract the oil but the people around are scared of the outcomes. Your school has been invited by the LC chairman of that area to attend one of their meetings, and also sensitize people about the sustainable use of the fuels that will be produced. You have been chosen to give a speech on behalf of the school.

Task: As a chemistry learner, make a write-up of your speech.

ITEM 8

Rocks and minerals are part of the resources that are of benefit to Ugandans. A volcanic region is experiencing increased volcanic eruption resulting into the destruction of the composition of rocks and minerals through intense heat, pressure and chemical reactions. Additionally, the activity creates possible risks to the environment and livelihoods that need immediate solution since rocks are equivalently important. The ministry in charge of disaster preparedness has organized a sensitization meeting to find a solution to the challenges created and your teacher is to attend on behalf of the school.

Task: Use your chemistry knowledge to make a write-up of the message that he will deliver upon return.

ITEM 9

Peter's pottery in a rural Ugandan village relies on coal as a fuel source due to the lack of electricity and enough firewood.

However, the community is concerned about the potential side effects of coal use, believing that these side effects may have no mitigations. The community also wants to know more about coal and its other uses.

The area LC1 chairperson has organized a sensitization meeting in the village, and you have been chosen as a guest speaker to address the concerns of the community.

Task: As a Chemistry learner, prepare a write-up of what you will deliver during the meeting.

ITEM 10

At Namanve industrial park, there exist many factories that dispose their wastes into water bodies around. The government, through NEMA, has organized a sensitization workshop on the protection of natural resources. You have been invited to talk to the workers.

Task: In your opinion as a chemistry learner, produce a write-up to these workers and locals of the area.

ITEM 11

The recently discovered petroleum around Lake Albert has prompted the government of Uganda, through the Ministry of Energy and Natural Resources, to contract an oil processing plant in the area.

But the authorities and people around the area are worried about the environmental problems that may arise as a result of drilling and processing the oil. You have been invited to one of the activities of this industry.

Task: As a chemistry learner, give your presentation.

ITEM 12

Mabira forest in Uganda faces significant encroachment threats, including the conversion of forest land to agricultural use, illegal logging and settlement with in the forest. These issues are driven by factors such as high population density, land scarcity and the demand for timber



Environmental groups warn that if such activities continue, there will be threats to forest's biodiversity, ecosystem health and surrounding region's climate. Schools have been called upon to be part of the team creating awareness about conservation of Mabira forest to the community.

Your teacher has chosen you to be part of the team.

Task:

Make a write up that would be used during creating awareness

ITEM 13

One of the most important sources of energy in industries is coal, enhancing industrial productivity and serving the community needs.

However, overdependence on coal has proved to have many negative impacts to the environment and there is a need to educate the community on possible mitigative measures of these impacts of using coal.



You have been recommended by your school to be part of the sensitization team to educate the community.

Task:

Make a write up you would use

HAPPY EASTER