S.2 CHEMISTRY EXAMINATION

REGINA PACIS HIGH SCHOOL
MUKONO

CHEMISTRY DEPARTMENT

TIME;1HOUR

Instructions; answer all questions

Name;…….

Item 1.

In a certain home, members take black tea plus any available escorts for breakfast. At lunch time, food is served with drinking water. Their second-born son in primary six is inquisitive. He wonders if there is any difference between black tea and water apart from color, smell and taste. You have been asked to help him understand more about the nature and properties of the two substances.

Task: As a chemistry learner;

a) Help him to differentiate the class of black tea and water as substances.

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b) Take him through the differences between the two substances,

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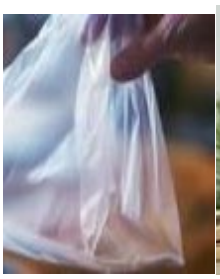
Item 2

Due to increased environmental impacts caused by the packaging materials on the market, the government organized a sensitization campaign where community members were told that a good packaging material should be environmentally friendly and sustainable. This left many confused about which materials they can use to make such and because they do not have enough information they have decided to seek advice from a person with good knowledge of chemistry.



TASK

a) help them appreciate that the packaging materials are different

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b) Relate the properties of the materials to their use.

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c) advise them on the impact and mitigation of the long term use of the materials

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SECTION B

Item 3

"Residents of Kampala are facing severe health risks due to poor air quality," was a headline in one of the recent editions of the New Vision newspaper. With the city's reputation tarnished and residents' health hanging in the balance, urgent action to raise awareness and clean the natural resource is needed, the paper continued to state.

The Kampala Capital City Authority (KCCA) is getting ready to improve the situation following the alarming revelation.

As a student of Chemistry who has learned about air as a natural resource

TASK

Write an article KCCA would use in response to the paper to sensitize the community of Kampala.