

DREAMLAND SECONDARY SCHOOL

S.2 CHEMISTRY

END OF TERM TWO EXAMINATIONS

ITEM 1

In the last 30 to 40 years, plastics have taken over as replacement materials for metals, glass, paper and wood as well as for natural fibres such as cotton and wool. However, plastics such as polyethene bags have contributed significantly to household waste problem, up to 10% in some countries, and it is getting worse.

- a) Outline any three advantages of using polyethene packaging.
- b) Explain any three ways how polyethene bags are dangerous to our environment
- c) Explain any three ways of how to prevent the effects of polyethene bags on the environment.

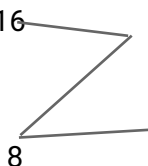
ITEM 2

Salts are very important in our everyday lives as some of them are used in medicines, add taste to our food. Many of these salts can be prepared in the laboratory.

- a) Suggest three ways salts can be prepared in the laboratory school.
- b) Ammonium chloride is an example of the salts prepared from the laboratory.
- c) When it was dissolved in water and the solution tested, it was found to be acidic.
- d) Explain why the solution was acidic.
- e) State three other applications of salts in your community.

ITEM 3

In a class discussion, students were given an activity that an element A is written as below



Elements are of two types metals and nonmetals. These metals have different properties. These properties determine their uses.

- a) Identify the;



- (i) Atomic number
- (ii) Mass number
- (b) Draw an electronic structure of the given atom
- c) ii) Give 5 uses of each of types basing on their properties.
 - ii) List any 5 substances containing a specified element.

END

