

STUDENTS NAME: ..... STREAM: .....

SIGNATURE: .....



# STUDYSPHERE EXAMINATION BOARD

## S.1 CHEMISTRY HOLIDAY PACKAGE

### INSTRUCTIONS:

**Attempt all the items**

### ITEM 1

A debate struck amongst senior one learners at one of the schools in Uganda about Chemistry as one of the prestigious subjects studied as they were relating it to different activities in the society. One group of learners claimed that those who study chemistry only become chemistry teachers while another group claimed that there are many careers related to the study of chemistry.

Task.

As a chemistry learner,

- a) Assist the learners to identify any three other careers related to the study of chemistry in order to settle their argument.

b) Briefly describe how the chemistry knowledge is applied in the careers identified in (a) above.

### Item 2

Using real life experience and some knowledge obtained during classroom interactions, address the followings

- (a) Arrangement of particles in each of the three states of matter
- (b) Forces of attraction between the particles in each of states of matter
- (c) Movement of particles in each of the three states of matter

### Item 3

We use objects in everyday life made from materials that are either plastics, glasses and metals.

#### **Task**

- a) What are the useful properties of plastics?
- b) Plastic waste management is a problem in our communities today. There is poor disposal of plastics in our communities caused by human beings themselves. This is a big threat to human health around the community.



- i) What threats do plastics pose to man and his environment?
- ii) What would be the possible solutions to the threats possessed by plastics to the environment listed in (b (i)) above?

**END**

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