

KAMSSA

KAMSSA LOWER SECONDARY LEVEL EXAMINATIONS

SENIOR TWO

END OF YEAR ASSESSMENT 2024

CHEMISTRY

Paper 1

Time: 2 Hours

Learners Name: Stream:

Signature Date

INSTRUCTION TO LEARNERS

This paper consists of two sections A and B.

Section A is composed of only two compulsory items and section B is composed of two items.

You are required to respond to only two items from section B.

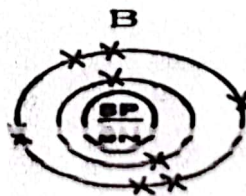
Responses to section A and B are to be written in the spaces provided

SECTION A (20 SCORES)

ITEM 1

(10 scores)

Okello while checking on his son's chemistry notes, found drawing of structures that resembled what he studied about planets while in P.7. He wondered how this becomes chemistry and not geography. He invited his son to clearly explain to him what the drawings meant, their component and properties.



Task

As a learner of chemistry, help Okello's son;

(a) Explain to his father what the structures mean.

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(b) State the components in the structures and their properties.

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(c) Give advice to Okello on the likely uses of the substances A and B.

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d) State the effect on the environment of long-term use of substance A.

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ITEM 2

Abu, a student of Mbale secondary school is trying to understand the occurrence of carbon in the environment. He was doing research and found out that, pure carbon is found in the form of diamond and impure carbon as graphite and that carbon is allotropic and therefore has allotropes.

Task

As a S.3 learner who has studied chemistry;

a) Help Abu to;

i) Understand the meaning of allotropes.

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ii) Point out the (3) allotropes of carbon.

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iii) Cite out the properties of diamond and graphite, and in each case give two uses of each.

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b) Inform Abu on any other element that has allotropes as carbon does, hence give the allotropes of that element.

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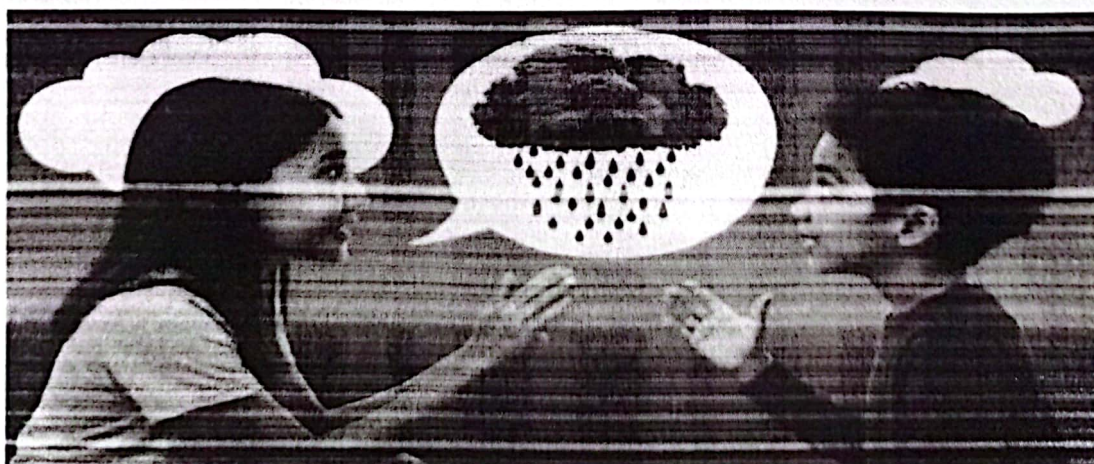
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ITEM 3

(10 scores)

Eva was in a conversation with her young brother and suddenly her brother talked of where the rain comes from, her brother thinks that rain is sent by God to us, a concept which seems to be right since rain is not made by man. Eva told her brother that he is right though using knowledge of chemistry we can further explain how rain comes to be formed since it is recyclable.

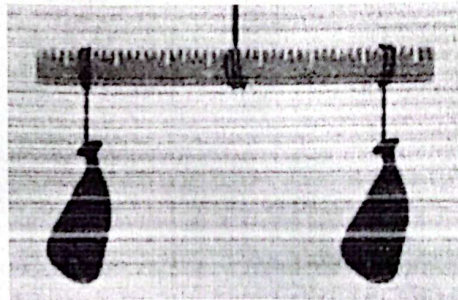


Task

As a chemistry student;

[illegible]

(10 scores)



As a senior *two learner* who now understands kinetic theory of matter, clearly state it and advise James on why that happened.

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