

SECTION A (Attempt all questions)

ITEM 1

A boda-boda cyclist got an accident and sustained wounds on the legs. He was immediately treated using tetracycline and the wounds dried after few days. He wondered the magic in the medicine given.

Support material.



Task

As a student of chemistry, advise the bodaboda cyclist on:-

i) Category of the product used

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ii) How the product works?

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iii) Side effect of the excessive use of the product.

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iv) Choice of the product used

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ITEM 2

During a scientific investigation members of S.3 heated 2.52g of calcium in excess oxygen to form 3.52g of an oxide. However, the learners found challenges establishing the formula of the substance formed since they lack some information about it even after being given the atomic masses of calcium as 40, oxygen 16 and molecular mass of the oxide as 56g.

Support material:



Task

As a learner of chemistry, advise the student of S.3 on;

i) Category of the substance formed

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ii) Properties of the substance and one use

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iii) Determine the formula of the oxide formed.

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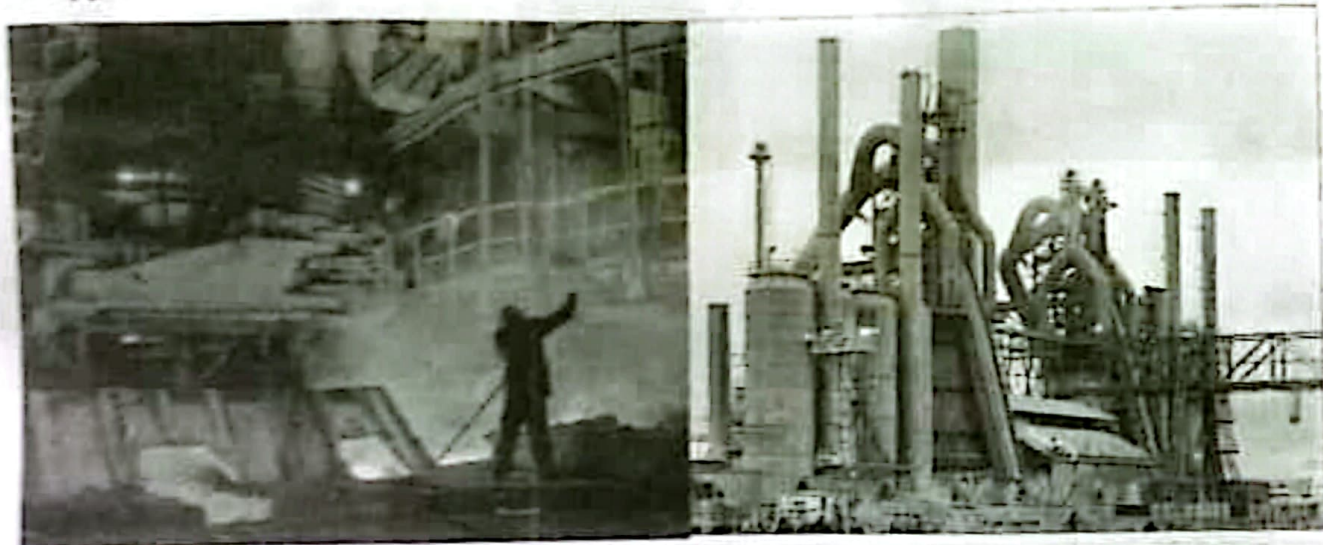
SECTION B**PART II**

Attempt one item from this section.

ITEM 3

Buwenge steel company manufactures Iron nail, Iron bars and Iron sheets. The company manager is complaining of spending a lot of money to import Iron. The company has discovered Iron ore in one of the hills around and has therefore decided to set up an extraction plant around but does not have enough knowledge. The residents are also worried about the side effects of the process of production and do not know how they will benefit.

Support material



Task

As a learner of chemistry, write a message to educate both the company and the local people around.

ITEM 4

Due to a high demand of oxygen in referral hospitals in Uganda, an investor has been contacted by the government to set up an oxygen manufacturing plant at Namanve. However, the residents do not understand how the process will occur, its impact on the environment and benefit.

**Task**

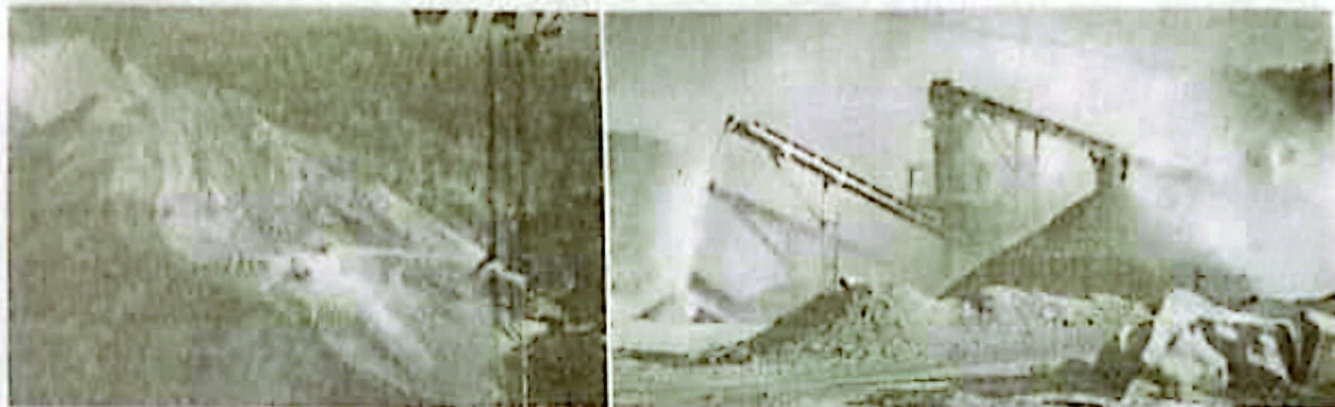
As a learner of chemistry, prepare a speech to the residents of Namanve.

PART II

Attempt one item.

ITEM 5

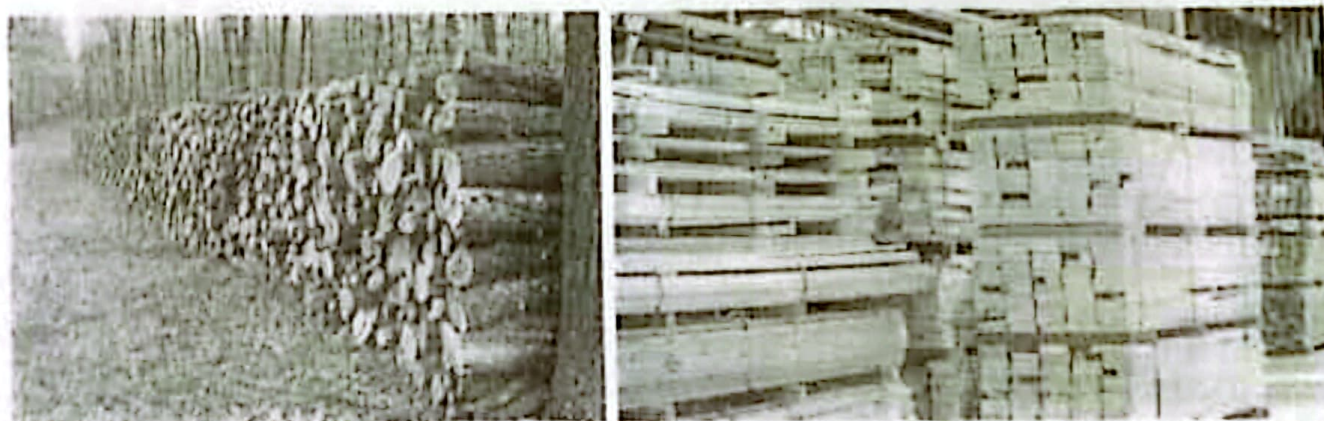
The youth in Buyende practice stone quarrying around Kagulu hills. The local people around have started experiencing severe cough and constant malaria. They are wondering why this is happening to them. This has made the health inspector of the area to organize a sensitization workshop.

Support material**Task**

As a learner of chemistry, make a write up that you will use upon invitation.

ITEM 6

The people near Mabira forest have cut down the forest for charcoal burning, timber and others have created land for Agriculture which has contributed to low rainfall and long drought seasons. The farmers have realized low yield and do not know why this has happened.

Support material**Task**

As a learner of chemistry, write an article to educate the farmers.