

GEOGRAPHY

Africa has many landforms such as mountains, rift valleys, plateaus and basins. Such landforms were formed by geomorphic processes such as vulcanicity, faulting and warping. The landforms have positively contributed to the development of many African countries such as Cameroon, Ethiopia and south Africa. However, many people in Africa have caried explanations about the formation of such landforms. Therefore, as a geography expert the people need your explanation about the origin of such land forms.

TASK:

- (a) With illustration, describe the formation of great African rift valleys.
- (b) Explain the positive values of rift valleys to the people in Africa.

LITERATURE IN ENGLISH

Playwrights present their plays reflecting on the normal situations in society. The action and the characters behave like the real human beings around us. Relating to one of the plays you have studied, explain the issues brought out and are similar to what takes place in our society.

CHEMISTRY

A report from the recently concluded National census indicated that most families in urban areas across many districts rely on charcoal and kerosene. However, the reliance on these resources has significantly impacted the environment. National environmental management authority (NEMA) officials have organized a massive campaign through regional radio talk shows to create awareness to the public about these resources. You have been invited to one radio talk show,

TASK: As a chemistry student, write a brief message you will deliver at the radio talk show.

LUGANDA

Ggwe omu eyetabye mu kumanyagana okwabadde mu kika kyammwe e Kagoyegoye.
Omukulu w'ekika yasomesezza bulungi emigaso gy'okubeera n'ekika mu Buganda.
Bwokomyewo kitaawo akusabye nnaawe osomese banno emigaso gy'ekyo kyewawulidde.

CRE

Mr. Mayombwe is a human resource manager of a big company in Uganda; he was given full authority by the owners of the company to register and recruit all workers who wish to join this company and earn income. However, he disrespects the workers, pays them little wages and arrogantly speaks to hem threatening to chase them away. He has sexually harassed several women in order to give them jobs and he is also tribalistic.

Task:

- a) How can the bible teaching about work help Mr. Mayombwe presented in the scenario above to do his work the right way?
- b) Explain the contemporary approaches that can be used to enable Mr. Mayombwe in the above scenario, to do his work well.

TECHNICAL DRAWING

A fabrication company in Kampala is designing a parabolic arch for the entrance of a pedestrian walkway. The arch must be aesthetically pleasing and structurally efficient. The design specifications are as follows: span is 12m and height 4m. Use a suitable scale to illustrate the design.

KISWAHILI

Wewe ni mwanafunzi ambaye anagombea (contesting) kuwa kiranja mkuu katika shuleni kwenu, na wamekuita mbeleni mwa wanafunzi wenzako. Uje utoe hotiba. Andika hotiba ambaye utaambia wanafunzi wenzako.

PHYSICAL EDUCATION

Your school is preparing for a gymnastics exhibition which will take place next year at one of the neighbouring schools. This will include activities like balances (crouch balance, elbow stand, handstand, and V- balance), rolls (forward roll, backward roll, judo roll, side roll, and tank roll), animal walks (crab walk, duck walk, caterpillar walk and a bear walk) and manipulation of a hula hoop and ribbon. Your P.E teacher has chosen you in advance to represent your school in the exhibition.

Task: To be in position to represent your school next year, watch a YouTube video or a skilled person performing the above gymnastic skills, follow by imitating the moves until you perfect them.

PHYSICS

Juma left Uganda last month and went to England. He was surprised to find that it was very dry and the days were long than nights. He also observed high ocean tides and could not tell the cause. One day he boarded a taxi to London. From his place the taxi accelerated at a rate of 2ms^{-2} for 10s. it then maintained the velocity for the next 15s, and taxi got a problem and it was brought to rest in 20s. the taxi charges 1 USD for every kilometer. He had to just move since the remaining distance to London was short. The distance from his home to London is 2km.

Task.

- a) Help Juma to understand
 - i). Cause of day and night.
 - ii). Why days were long than nights
 - iii). The cause of seasons
- b) Determine the distance the taxi had travelled and hence determine how much money Juma should pay.
- c) How long did Juma take to reach town from where the taxi stopped if he moved at 0.5m/s .

BIOLOGY

Item 2

Since the age of 12, Benoni has been smoking tobacco and cigarettes. He was advised to quit the habit because he was at risk of losing his life, but due to addiction, he was unable to stop. At the age of 40, he began experiencing unusual changes, including yellowing of the teeth, throat irritation and pain, chest pain, breathlessness, frequent fatigue, chronic cough, and loss of appetite. When he sought medical assistance, a chest X-ray revealed that his throat tissues and lungs had darkened. The doctor advised Benoni to seek specialized medical treatment and to make significant lifestyle changes.

Tasks

- a) Identify the body system that is most affected.
- b) Explain how his addictive behavior led to the conditions he is experiencing.
- c) Suggest strategies that could be used to manage and improve his health condition.

Item 3

James and Ivan accidentally collided during a football match, and both sustained open cuts (wounds). However, Ivan bled heavily and continuously, while James only bled for a few minutes before the bleeding stopped. The team nurse observed that Ivan's bleeding was excessive and suggested that he would require urgent medical intervention, including a blood transfusion, due to significant blood loss. Upon blood typing, Ivan was found to have blood group B. Unfortunately, compatible blood was out of stock at the facility. The doctor then advised that Ivan's relatives could serve as potential donors.

The available relatives were:

1. His mother, blood group AB, and free from infections.
2. His elder brother, blood group B, but living with HIV.
3. His younger sister, blood group O, aged 14 years.

Tasks

- i). Explain the process that caused James's bleeding to stop after a few minutes.
- ii). Identify the elements that could be missing in Ivan's blood that prevented the process observed in James from occurring.
- iii). Analyze the relatives' blood types in relation to Ivan's blood group and conclude whether Ivan has a chance of being saved.

ICT

1. Explain troubleshooting?
2. How can one troubleshoot the following?
 - i) hardware components of a computer
 - ii) software components of the computer
3. What are some of the steps of troubleshooting?

ART

Scenario: A local eco-tourism site in your district is promoting a sustainable tourism and needs a unique, locally-made souvenirs for visitors to purchase. The items must be made entirely from abundant natural materials found nearby (e.g., banana fibers, raffia, reeds, and papyrus etc.). The souvenir need to be small, durable, and represent the local culture or environment

TASK: As a learner of art and design, you are required to produce one sample of this souvenir (e.g., small woven mat, a simple animal figure from coiled fibers, or a decorative box.)