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QUESTION NO: 06

I am to talk about the importance of water in the everyday life, how best to protect water in the future generation, I give out Organisation that is working to preserve good quality water and then lastly the best way I can support their work.

By definition;

Water is a colourless liquid substance that falls in form of rain. Water is the most abundant simple compound in living organisms. It contains hydrogen and oxygen elements and its symbol is ~~H<sub>2</sub>~~ H<sub>2</sub>O. Water has a high specific heat capacity to enable living matter to undergo extensive heat absorption or loss with a minimal temperature change therefore enzymes can proceed with in a narrow temperature range and at relatively constant range. This makes water habitat for living organisms that require a relatively constant temperature.

Water is wet. It tends to wet most things (it sticks on them) because its molecules form hydrogen bonds with other polar substances. This attraction between molecules of similar substances is called cohesion while the attraction between different substances is called adhesion. This attraction between molecules enables water to enter and move along a very narrow space by process called capillarity.

It is revealed that water covers about 70% of the earth's surface. Water is either salty or fresh. Most of the salt waters are found in the ocean. Over all, the earth has plenty water in abundance as I can say. In Africa, some areas, however never have enough water to support life while other places get too much.

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But all in all, climate determines the amount of water an area is to receive. It's believed that water has a PH scale of 7 that is to say it's neutral and can be able to dissolve substances.

Water exists around my Community, town, Country, my Continent and probably in the whole universe (world) but in different forms such as streamers, Rivers, Lakes, Oceans and Sea. There are the major sources of water. Oceans contains water in a liquid form. The atmosphere holds water in form of vapour or water in the gas state. Glaciers and ice sheets holds water in a large mass state of frozen ice. The total amount of water on this earth does not change because it is just constantly moving from the water bodies to the air, to the ground and finally back to the water bodies. This process is called the "Water cycle".

Places with no or relatively less water are called semi-deserts or deserts such as the Namib and Kalahari deserts in Africa.

As it's believed that water is of two types on this earth that is not rather than fresh water and salt water. Fresh water is the recommended water and most important to human life.

**F**resh Water: As proved through research, about 3% of the water on the earth is fresh. Of which 2% is of glacier and ice and then the remaining is for rivers and lakes. Another source of fresh water is the ground water found under the ground rocks in cracks and can be tapped by wells for domestic consumption. An underground layer that contains and is in rich of water is called aquifer. It is usually in dry areas and farmers and dwellers depend on this water not only but even on some other sources such as rainfall though relatively little.

**O**cean water: It's believed that one can sail from one ocean to another without touching the ground. The four major oceans of the

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earth are The Pacific Ocean, Atlantic ocean, Indian Ocean and the Arctic Atlantic ocean.

In Africa, the longest river is called River Nile and this stretches a way from Uganda and it moves North ~~wards~~ wards to the medetarenean sea in the northern ends of Africa. Therefore, Uganda is the source of the Nile river.

The Importances of water in everyday life is as vital as one can believe and these are as follows;

At least all living organisms need water to survive. "No water no life" Water is so important that is used to clean human body (bathe), clean clothes through washing, used to mop houses hence leading to the improvement of sanitation and general cleanliness.

Water is used to brush humans' teeth in order to fight against certain diseases that may come as a result of not cleaning the teeth such as tooth ache hence dental abnormalities.

Water is used for irrigation purposes for example river Mubuku in the western parts of Uganda-Africa has always provided water in form of Springs to the Mubuku irrigation scheme which has enabled agriculture so successful in this area hence fighting against starvation and hunger.

Water in its liquid state is used in the preparation of cooking food for people to eat.

Water has provided minerals such as sand from lakes and rivers for example victoria and the Nile river have provided sand as a building material for construction of infrastructures such as roads and buildings.

Water is a drinking agent that is used to quench thirst of an organism such as man and animals.

Water is used in the manufacturing industries such as Breweries industry for making drinks like soda, beer, wine

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and Juice .

Water helps plants to grow well hence source of food in future. Dry areas depend mainly on irrigated water and rain if it falls down.

Water is so important in that it has improved power supply in the whole world through the construction of dams for example the Karuma and Owen falls dam on river Nile that helps to supply power in form of Hydro electricity to Kampala city and other areas around. This hydro electricity power have led to the improvement of industrialization in Uganda hence development.

Water is a habitat to millions of plants and animals. plants such as planktons and algae stays just above water bodies such as lakes and the sea. In addition therefore animals (aquatic animals) such as crocodiles, fish, toads, frogs and snakes stays in water to have life because they are cold blooded animals hence water favours their stay.

Water is a source of food for example fish and salt from lake Katwe around Lake George and Lake Magadi improves the nutrition of human body.

Water helps man to live as it is said that "Water is life". This is because water in the body dissolves with amino acids and due to this, the excretion of that dirt comes out of the body in form of sweat and urine and hence good health.

Water is an income generating element (water bodies) to the government of my country (Uganda). Ugandan water bodies such as rivers (Nile, Nyamwamba, Kagera and Katonga) have attracted many tourists to come and see crocodiles in the Nile river and some beautiful stones in other rivers hence paying revenue that is used in the improvement of infrastructures. Roads, schools and hospitals in Uganda are mainly constructed by the money brought by tourists hence development to the country.

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Water is being used and is considered important in the transportation of people with their goods from one place to another. The Victoria waters have facilitated trade among Uganda and other neighbouring countries such as Kenya and Tanzania through importing and exporting goods from one border to another. This has improved on the entrepreneurship and made people to earn a living hence good and advanced better standards of living.

In addition to the above, the following are also the reasons to how best to protect water in the future generation.

Future generation is the way of life ahead. So water really is to be protected because of its associated good benefits to man. I believe that water on the earth was living! water is living and water shall live! before my presence, in my presence and even after my presence.

Water should be protected for its ahead use in the more improvement of farming systems as technology is growing up day after day in order to conserve water for future generation.

It should be protected to continuously support life for man hence fulfilling his obligation on earth such as conserving all water bodies.

If water is not protected drought may occur in future therefore one needs to protect water bodies around to avoid all the negative consequences that are associated with drought or lack of water such as hunger and even deaths.

Water should really be protected to maintain its social, economic and political importances of it. For example to sustain and maintain fishing in water bodies that improves people's standards of living mainly fisher men not only that but even food in form of proteins (fish).

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Water should be protected because it's used for drinking and no man can live without water in his body. Let the future generation be better than the current one through strictly and tightly protect water and its sources at large.

The proudly interesting co-curricular activities such as water polo and swimming should not fade away so we need to protect water in order to sustain our interests. Otherwise if we protect our water with one heart or whole heartedly we are to have a better future generation for ever and ever.

Following the above question, In my town and Country at large the major Organisation that works to preserve good quality water is none rather than The National Water and Sewage Co-Operation (NWSC). This is a government and non profitable Organisation that is aided by Our Country Uganda to preserve good quality water.

The National water and Sewage Co-Operation is the only legal and authorised Organisation that works and amalgamates its hands with the natives of Uganda to provide safe drinking water.

Its Vision states that "to preserve clean, treated and purified water for life to the Nation".

Its Mission is "to be the ever leading safe water provider in the whole of Africa".

Its Motto is "Water is life".

Its Objectives is to ensure good quality drinking water for all the people and for every day.

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I can  
I solemnly support the work of the National water and Sewage Co-operation through sensitising the people in my town by any affordable way to make sure that water is preserved appropriately. This will lead to the future generation to enjoy the quality of water.

Through formulating clubs especially the "Water and Sanitation Club" that I am heading as the president at my school to ensure there is always clean, safe purified and six times filtered water to deliver nature.

Through treating water by the available treatment such as water guard that is freely or donated to my nation from USAID by the American people to ensure and care about the health of people.

Through carrying out research and samples of water in different water sources such as lakes and rivers to ensure there is cleanliness around.

In conclusion therefore everyone should support the protection of water through working hand in hand with the different water organizations in countries on the earth to have good health and long life expectancy.

Water is also vital to one's health at least a glass is to be taken as one wakes up, in the noon and in the evening and if possible at night. Because this is recommended that at least a normal human being should take two litres of water a day. If water is protected appropriately there is expectation of better future generation in the whole world. The protection of water starts with me today so follow me and remember that "Water is Life".