

CU ROLL NO : - 21113 - 11 - 0096



SAVE TREE
SAVE
ENVIRONMENT



V. good

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Who provide me the golden opportunity to do this wonderful project of Environmental Studies (ENV'S) on the topic of "Save Trees and Save Environment" who also helped me in completing my project.

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to recognised me as a student.

No.

TOPIC :-
SAVE TREES

AND

SAVE ENVIRONMENT

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ACKNOWLEDGEMENT

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INTRODUCTION

Trees are important for our survival as well as the ecosystem. Without trees, life would not have been possible. Trees provide us with two of life's most crucial components - oxygen and food. Now a days our needs are so high that we have started cutting down huge swaths of forests for the expansion of human land. Trees are long-lived as natural carbon sinks which means they have the ability to soak up carbon dioxide from the environment and store it within themselves. This not only reduces the amount of carbon dioxide in our environment but also the impact of the greenhouse effect. Trees play variety of important roles from ecosystem to environmental cleaners. Trees are the natural air filters. They provide us with the life to live by refining the air around us. They also add beauty to environment. The world is meaningless, dull and dusty without the presence of lush green trees. To save life and environment trees should be saved and new trees to be planted because trees help to nourish life on earth. Trees play a vital role in preserving the earth's hydro-logical cycle. Trees maintain the water table level. Trees in no way are less than good because they provide oxygen to breathe and help control the environmental temperature.

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REASON BEHIND TO SELECT THE TOPIC

I selected the topic "Save trees and Save Environment" to gain more knowledge about what are the causes of ~~save~~ ^{loss} saving trees and hence saving environment. What ~~is~~ ^{are} also the effect of saving trees. I also selected this topic because of the reason I wanted to know that how I can save trees like by planting trees, ~~by~~ buying recycled paper products, eating less meat, avoiding products made with palm oil, choosing and using of cloth product over paper products whenever possible. This is the reason of selecting this topic.

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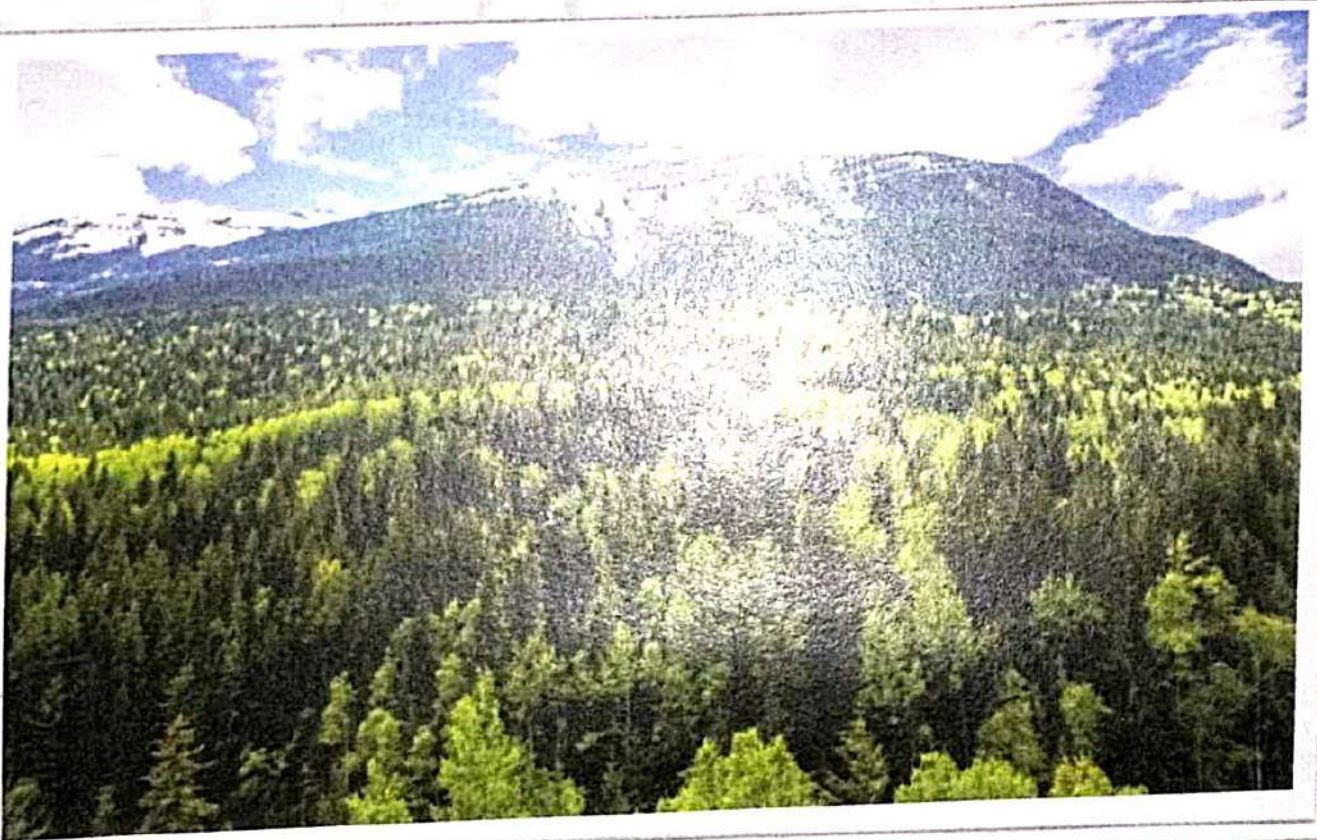
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CAUSES OF
SAVE TREES AND
SAVE ENVIRONMENT

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The Causes are as follows :-

1) TREES REGULATE THE WATER CYCLE :-

The water cycle is the process by which water falls to the ground as rain. It's then absorbed by trees and other plants, then released back into the air as transpiration. Constantly "drooping" whenever it can, a single tree will typically release around 250-400 gallons of water back into the air every single day. Therefore trees are crucial for maintaining optimum levels of humidity in our air. They also ensure that the water cycle (which provides the fresh water we rely on to stay alive) keeps in balance. The world has established a natural rhythm when it comes to the water cycle. Deforestation severely disrupts this cycle and can put supplies of fresh water (which makes up just 3% of the planet's total water).

2) TREES ARE A VITAL HABITAT FOR WILDLIFE

A diverse range of birds, insects and mammals live in



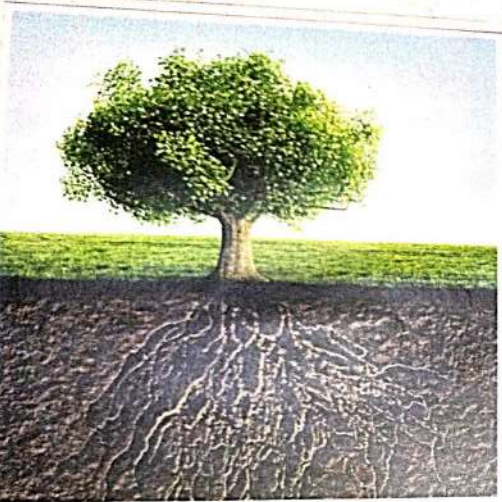
forest habitats. These creatures have adapted to their environment over centuries and are reliant on it. While the larger or more exciting animals (elephants, tigers, gibbons, macaques, sunbirds or hornbills) may be the first that come to mind, a strikingly simple tree may well be home to hundreds or even thousands more creatures of a much smaller size. Snakes, frogs, millipedes, ants, termites, spiders, beetles, moths - all of them depend on the safety of their forest home. It has been estimated that if deforestation continues at its current rate, it will result in the extinction of around 28,000 different species.



3.) TREES IMPROVE THE SOIL QUALITY :-

Trees play a super important role in improving the quality of the soil around them in numerous ways. As part of their carbon filtering properties, they remove carbon and other noxious substances from the soil, allowing other plants to flourish. Good quality soil should contain no more than 2% carbon. However, in heavily forested areas it can be as low as 0.05%. In fact, forest that is surrounded by trees can double crop production which helps to the soil purifying effect of trees. The better the yield

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The less land is needed to feed humanity. Trees also contribute vital minerals to the soil by shedding its foliage and allowing it to decompose by mulch. Lastly, trees improve soil quality by pulling nutrients from deep under the ground up to the surface via the powerful action of their roots. This makes the soil rich and nutritious for other plants.

4.) TREES PREVENT SOIL EROSION :-

Areas that have been deforested are much more vulnerable to desertification. Using their trunks and foliage, trees form a natural barrier to winds and floods. This barrier slows the forces of nature down and helps to prevent bad weather from becoming a natural disaster capable of devastating large areas. Philippines is one country where we focus on planting mangrove trees. These trees create a natural form of protection to the land. Tree roots perform a vital function in holding the soil together, preventing it from erosion. In deforested areas, there is nothing to keep the soil in place or slow the speed of oncoming wind or waves. A period of high winds or rain is then free to sweep away all of the loose soil turning the areas into a quasi-desert.

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5.) TREES AS A FOOD SOURCE :-

Sustainably grown trees are a source of so many vital food stuffs. It is well known that the world's population would have none then enough to eat if everyone followed a vegan diet. Plenty of nutrients are obtained from trees alone. From nuts to fruits, to the syrups created from flowers and resin and the spices created from aromatic charcoal. Trees are an amazing source of food for humans. Trees also provide fire wood which enables us to prepare food we could otherwise not digest.

6.) TREES COMBAT NOISE POLLUTION :-

As well as combatting air pollution, trees have a role in combatting the negative impact of noise pollution. A major effect of urbanisation, transport and industrialisation noise is not just annoying for humans - it can have a devastating effect on wildlife. Not only can the noise pollution caused by humans interfere with an animal's and navigation systems, it can disrupt whole ecosystems. For example, some birds of nesting birds will not nest in habitats that are undesirable due to noise.

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The foliage of trees has a muffling effect, diminishing the level of sound that reaches it. Wildlife is buffered from the noise pollution that humans create.

7.) TREES COMBAT LIGHT POLLUTION

As well as muffling sound, tree foliage also provides a barrier against unwanted light pollution. Light noise pollution, as well as being annoying, city lights can disrupt the habits of animals such as birds and nocturnal mammals (like badgers). They rely on the daily cycles of light and darkness to regulate their internal clock, navigate and source food. newly planted trees have helped reduce the effect of pollution all over the world.

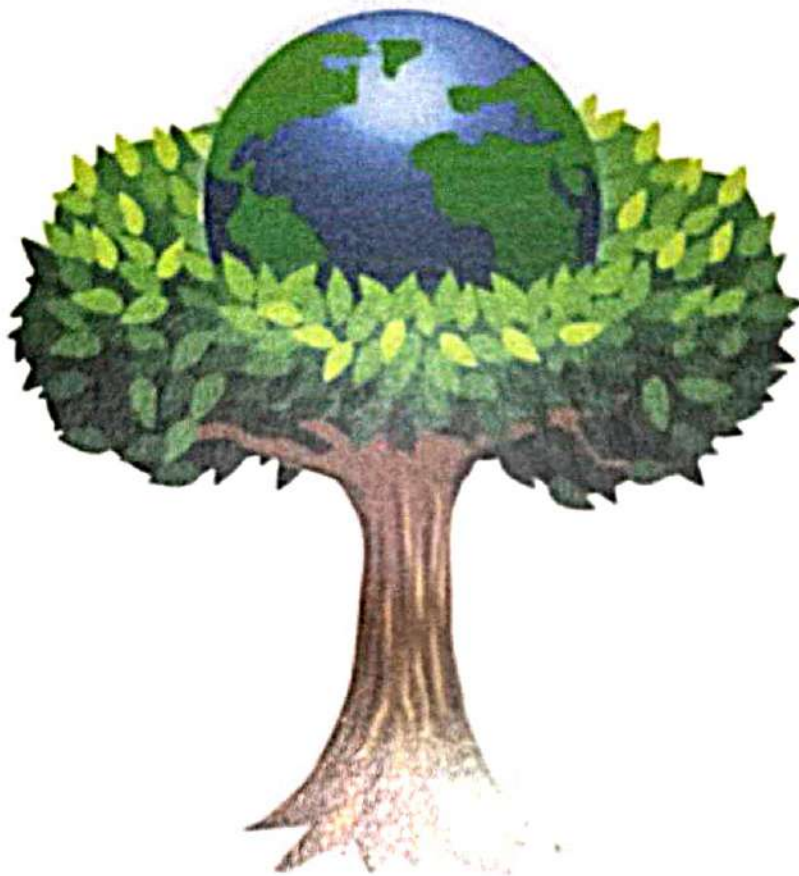
8.) TREES FIGHT CLIMATE CHANGE:-

One of the factors affecting global warming and climate change is the levels of Carbon dioxide in our atmosphere. Carbon dioxide is a greenhouse gas, known for its heat-trapping properties. In a rapidly warming planet, the excessive levels of Carbon dioxide that humans

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TREES FIGHT CLIMATE CHANGE



CAUSE - Greenhouse Effect

DEVASTATION - People and Tourism

HOW TREES FIGHT - Absorb CO_2 and Emit O_2

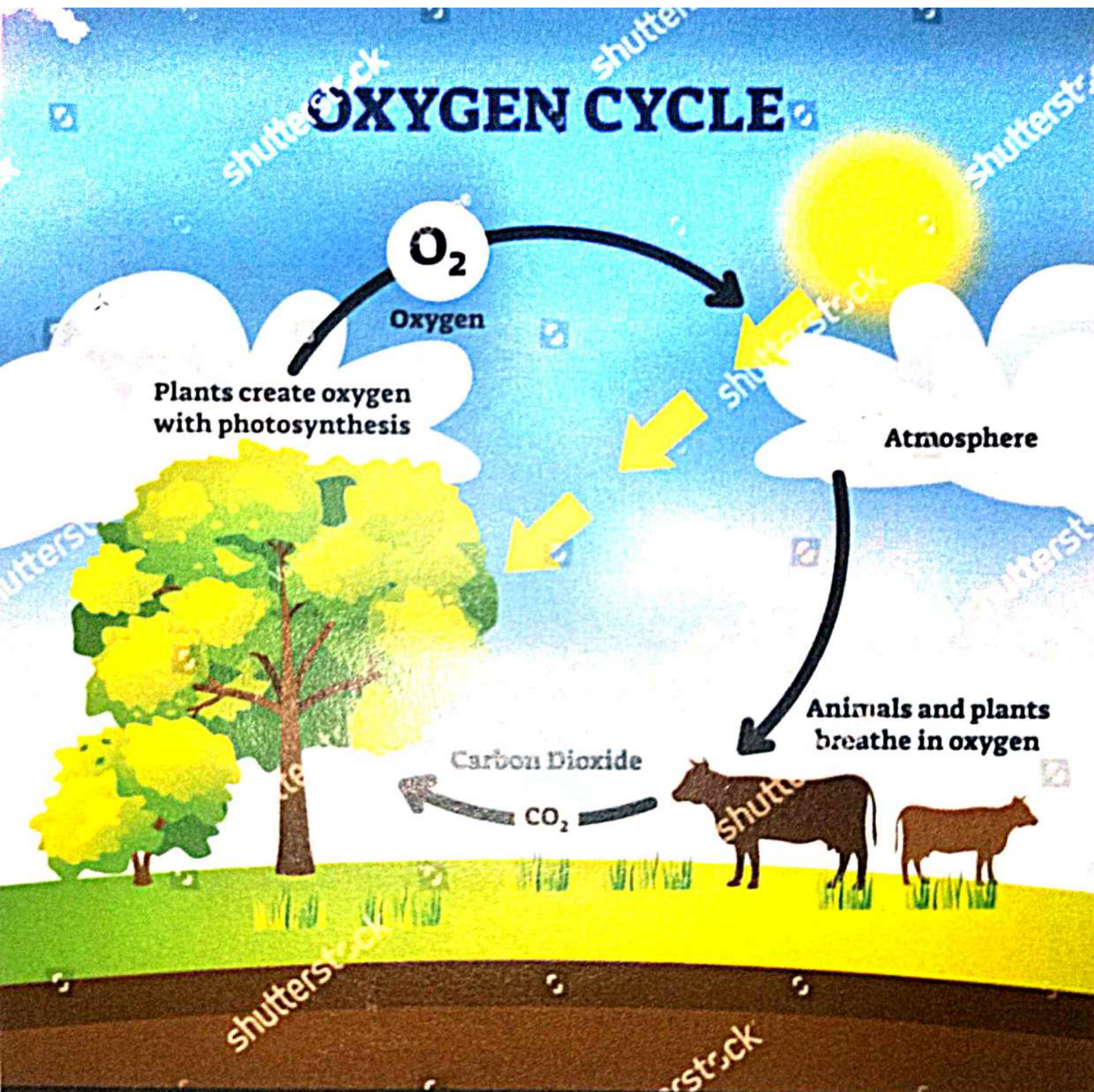
FONDES AMANDES PROJECT - Reforestation in T&T

ROTARY INTERNATIONAL - Plant more Trees



are producing is literally trapping the heat in the atmosphere. As a forest grows, it absorbs carbon dioxide from the air through a process called photosynthesis. It stores the carbon as wood and releases oxygen molecules. For this reason, forests act like a giant filter, they remove the greenhouse gas from the air and only disperse it back into the air if they are burned or decomposed back into the earth. This is why the effects of deforestation are two fold. Not only are nature's CO₂ filters being removed, but they are often burned afterwards, releasing any carbon they were storing back into the atmosphere. Once a tree is fully grown it removes less carbon dioxide from the atmosphere as it is no longer creating as much new wood. The additional carbon isn't necessary. With responsible woodland management, older trees can be carefully harvested in order to absorb the maximum amount of carbon from the air - creating a "carbon sink". Trees are absolutely vital in the fight against climate change. Without the ~~old~~ world's forests, we wouldn't stand a chance.

OXYGEN CYCLE



EFFECTS OF SAVE TREES AND SAVE ENVIRONMENT

The effects are as follows :-

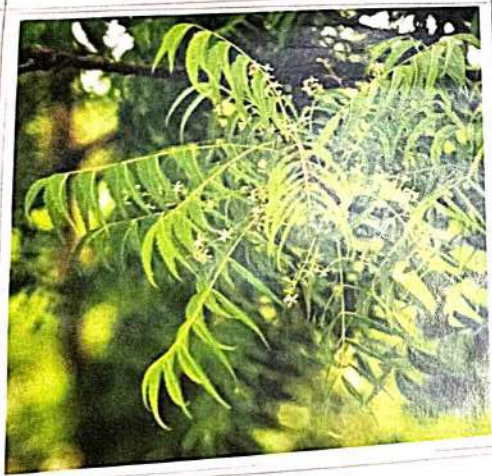
1.) TREES ARE OUR ONLY SOURCE OF OXYGEN :-

Creatures on the earth are alive because they inhale oxygen from the air, which helps run their bodily mechanisms and exhale carbon dioxide as a by-product of the function of the body. Nature's only source of oxygen is the trees. Through a process called photosynthesis, trees prepare food for their survival. Trees emit ~~carbon~~ ~~dioxide~~ oxygen into the air, increasing its proportion and thereby meeting the need of the living creatures.

2.) TREES ABSORB OTHER HARMFUL GASES :-

Trees absorb pollutant gases like nitrogen oxides,

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Sulphur dioxide, ammonia and ozone from the air and purify it. They filter particulates out of the air and trap them on their barks and leaves.

3.) TREES HELP CONSERVE ENERGY :-

Trees transpire water through their pores on the leaves which are generated in the process of photosynthesis. These water particles keep the air cool and moist and lower the temperature. Thus more trees mean less heat and even lesser requirement of air cooling machines like air conditioners, which means conservation of energy.

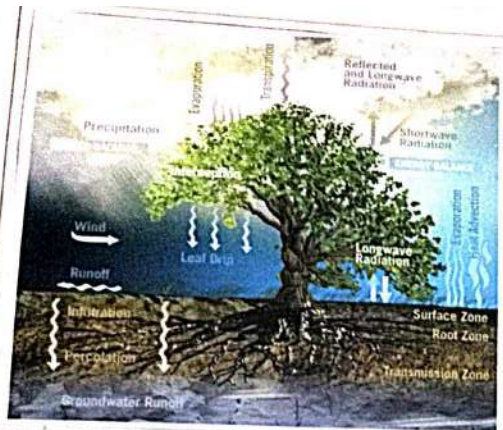
4.) TREES ARE HEALER OF DISEASES :-

Plants and trees have a plethora of medicinal values. They can heal patients from deadly diseases. Human beings have produced medicines to protect themselves from disease using these therapeutic properties of the trees. Neem is one such tree that has enumerable health benefits.

5.) TREES CAN SAVE UNDERGROUND WATER :-

Trees are the most significant factors contributing to the

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formation of cloud and rainfall. As there is more rainfall, the possibility of having the right ground water level is high. Besides, trees catch water and snow in their leaves and send the purified water to the aquifers through the roots. Planting trees is the eco-friendly method of efficient conservation of ground water level.

6.) TREES PROTECT EYESIGHT :-

The colour green is perfect for the eyes. It has a soothing effect on them and helps them function better. Moreover, trees absorb dust from the air and thereby reduce glare which again nurtures the eyes on the eyes.

7.) TREES SAFEGUARD OUR ENVIRONMENT FROM CLIMATE CHANGE

The recent heating up of the planet due to the rise in the concentration of greenhouse gases in the atmosphere is radically changing the climate of the earth. Trees are the best solution to prevent this disaster from progressing.

8.) TREES ARE OUR TEACHER AND PLAYMATE :-

Trees are the best place to find peace and solitude. Since ages, sages and philosophers have found their knowledge

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and children meditating under the trees. Teachers in ancient times used to teach sitting under the trees.

9.) TREES ACT AS BINDING FORCE :-

Trees bring together people of diverse cultures and communities effectively. Planting and nurturing trees not only empowers them but also develops community feeling among them.

10.) TREES IMPROVE QUALITY OF LIFE :-

Trees improve the environment of the surrounding, reduce the pollution level, reduce energy loss, beautify the place, and also increase the value of property. It thus contributes heavily to improving the quality of life.

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Trees are an integral part of planet. In fact they are so essential to life on Earth that merely living close to trees makes human beings healthier and happier. Making a few minor life style changes may not seem like a lot, but it will surely help the planet to be a better place.

1.) USE LESS PAPER :-

The less paper we use, the fewer trees will be needed. While paper production requires continuous planting of trees, the amount of energy and resources that go into making paper is hardly good for the environment. Whenever possible, find ways to reduce the amount of paper use.

↳ Paperless billing is a great way to cut back on the amount of paper you unnecessarily create.

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- 1) Bring a reusable mug with you to the office shop and ask them to pour you coffee in there.
- 2) Use a reusable water bottle to cut back on the need for paper and styrofoam cups at the office.
- 3) Use our mechanical wood juicers as they are often cooler than the new staff anyway and it is a great way to avoid waste.
- 4) Buy used batteries or get an e-reader so that you don't need to purchase paper books off of the press.

2.) GO FOR CLOTH PRODUCTS OVER PAPER WHEN POSSIBLE:-

People often avoid cloth alternatives to paper, but it is a short-term tradeoff. Cloth is always preferable to paper since you can wash and reuse it. Sure, need to use some water to clean it, but it beats using paper products over and over again if want to save the trees.

It takes 17 trees to make a ton of paper towels, but can always use cloth napkins.

Tissue paper is made out of toxic pulp, but a washable handkerchief is better and more sustainable.

The average child requires over 500 disposable diapers, but cloth diapers can be reused over and over again. It may seem silly at first but diapers cost a lot of money if there is want to save as many trees as possible.

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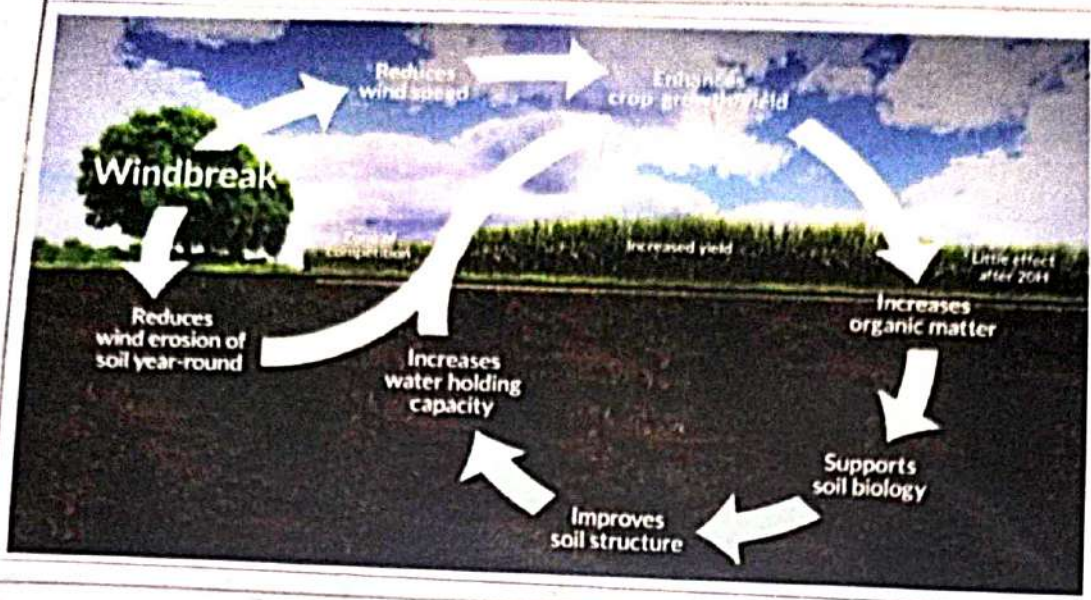
3.) EAT LESS MEAT :- Factory raised animals require a ton of space to graze. This often involves tearing down acres of forests and woodlands to make space for all animals. By cutting back on meat consumption, will reduce the demand of animals. Don't need to go full-blown vegan if don't want to, but swapping out that steak for fish or for some veggies on occasion will help protect the trees out there. Meat production also requires a lot of energy. If you are also concerned about global warming and the health of planet, cutting back on red meat is a good way to help.

4.) BUY RECYCLED PAPER PRODUCTS :- Buying recycled papers can save 250 million trees in a year.

5.) AVOID PRODUCTS MADE WITH PALM OIL :- Palm oil production is uniquely problematic for trees and forests. It requires cultivation of a lot of land. Roughly 27 million hectares of land are used for production and much of that land is used to contain healthy natural forests. Palm oil often found in soaps, shampoo, chocolate, noodles.

6.) PLANT TREES :- It seems like an obvious way to help, ~~to~~ planting a tree in the yard can be a lot of help, but it is going to do not at all improve the air that we breathe.

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CONCLUSION

Therefore, we conclude that trees should be regularly planted to save the mankind and animal world. Tree plantation and its after-care is a pleasing work too. We should consider the fact that we all need trees and trees are important to us humans. Save trees will save environment in return. Plant more trees and as we plant trees we plant life too because of the fact that they are giving us fresh air, woods that we people used to build houses. They stand as our shelter not specially to the animals, a shield to heat. Trees shade our homes, add beauty to communities and countryside and protect biodiversity by providing food and habitat for birds and animals. Trees are natural air filters - taking in carbon dioxide and releasing oxygen. Trees protect sources of drinking water by preventing soil erosion. Trees absorb and store greenhouse gases from the atmosphere as they grow, making them an essential tool to fight against climate change. By planting trees hence we can all contribute to a healthy natural environment.

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