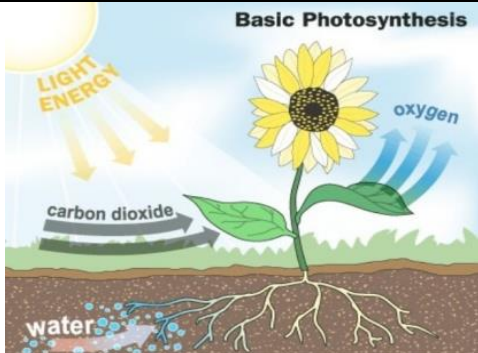


**HOW DO TREES GIVE OXYGEN?**



- Trees take Carbon Dioxide (CO<sub>2</sub>) and water from the atmosphere and use them to make food (i.e. glucose).
- Trees make their food in the presence of sunlight only.
- The process of making food is called photosynthesis.
- Trees release Oxygen (O<sub>2</sub>) into the atmosphere during the photosynthesis process.
- Oxygen is consumed by human beings, animals, and industries and releases carbon dioxide into the atmosphere.
- It is essential to have balanced numbers of trees and numbers of population (i.e. humans & industries)

**WHAT IS CARBON DIOXIDE SINK?**

- The increase in human population and a number of industries has resulted in higher consumption of atmospheric oxygen.
- Deforestation has resulted in lower consumption of carbon dioxide from the atmosphere.
- We produce more carbon dioxide but it is not completely replaced by oxygen and thus it results in the accumulation of carbon dioxide in the atmosphere.

**BENEFITS OF TREES/ FOREST**

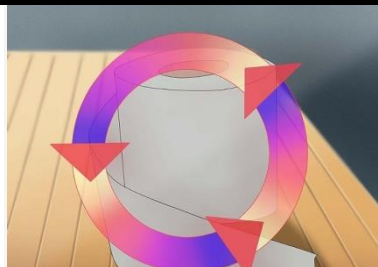
Trees combat climate change	Trees absorb CO <sub>2</sub> (Carbon Dioxide) from the atmosphere and release O <sub>2</sub> (Oxygen). This way atmosphere air is made balanced.
Trees clean the air	Trees also absorb odor and polluting gases like NO (Nitrogen Oxide), NH <sub>3</sub> (Ammonia), SO <sub>2</sub> , etc.
Trees cool the streets, city, and the earth	Trees also absorb heat and thus reduce temperature. They also release water vapor through leaves.
Trees conserve energy	Three to five trees near to home can cut summer air conditioning needs by up to 50%.
Trees save water	Trees slow down the evaporation rate from thirsty lawns.
Trees help prevent water pollution	Trees reduce runoff by breaking rainfall thus allowing the water to flow down into the earth below the tree.
Trees prevent soil erosion	Trees slow down runoff and hold soil in place thus preventing erosion.
Trees provide food	trees provide fruits not only to human beings but also to animals and birds.
Trees provide fuel	Trees provide wood as fuel to the kitchen as well as to industry.

**Deforestation is responsible for about 20% of global warming.  
Reforestation is a critical part of the solution. Planting trees**

**HOW CAN WE CONTRIBUTE?**



Avoid using paper cup/ mug



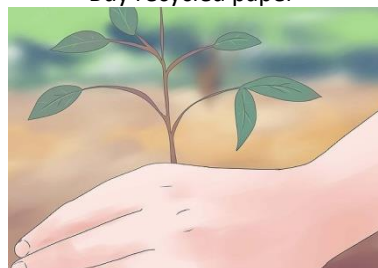
Buy recycled paper



Go for paperless billing option



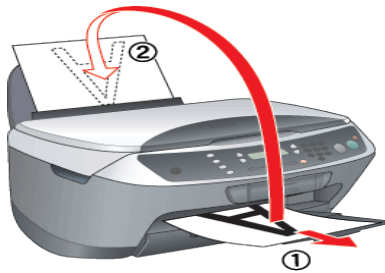
Avoid using paper towels, napkins and tissues



Participate in tree plantation



Learn & teach others about how trees are significant



Print on both sides of paper

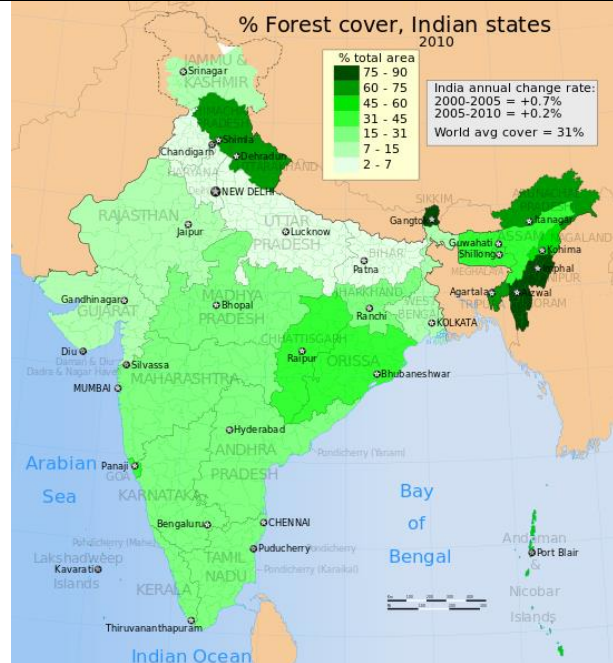


Stop cutting trees



Buy non-wood furniture

**FOREST LAND**



WORLD		
Smallest % of country land covered by forest	Qatar	0
Highest % of country land covered by forest	Suriname	98.3
INDIA		
Smallest % of state land covered by forest	Haryana	6.4
Highest % of state land covered by forest	Sikkim	82.7
India has 23.7% of land covered by forest.		

**AMAZING FACTS ABOUT TREES**

- A single mature tree can release oxygen enough to support 2 human beings.
- A tree in its lifetime can absorb CO<sub>2</sub> equal to quantity of CO<sub>2</sub> produced by a car driven 41000 kms.
- Trees are the longest living organisms on earth.
- There are about 20,000 tree species in the world.
- The largest area of forest in the tropics remains the Amazon Basin, amounting to 81.5 million acres.
- Trees receive an estimated 90% of their nutrition from the atmosphere and only 10% from the soil.
- It takes 24 trees to produce 1 ton of newspaper.
- An average sized tree can provide wood for 170000 pencils.
- Trees grow from the top, not from the bottom as is commonly believed.



**PROTECT WHO PROTECT US**

WHY WE



600+ Customer Reviews on Google  
Score is 4.7/5.0  
[https://bit.ly/REVIEW\\_AMC](https://bit.ly/REVIEW_AMC)



IMS Lead Auditor Course  
9001 + 14001 + 45001 (Combo)  
<https://bit.ly/LAC-IMS-EL>



Legal Compliance Software

QHSE SOFTWARE SOLUTION



Safety Permit Software  
[www.QHSEalert.com](http://www.QHSEalert.com)



Quality Control Software



Legal Library  
Environment + Safety + Human Resource  
[https://bit.ly/Legal\\_Lib](https://bit.ly/Legal_Lib)



Legal Updates  
Android Application

Mobile Application  
EHS Legal Library  
[https://bit.ly/LIB\\_app](https://bit.ly/LIB_app)



WHAT CUSTOMER SPEAKS ABOUT US  
IT IS NOT EDITABLE FEEDBACK ON GOOGLE  
[https://bit.ly/Review\\_LAC](https://bit.ly/Review_LAC)



Download EHS Publication  
FREE Access  
<https://bit.ly/ehs-tbt>

AKSHAR MANAGEMENT CONSULTANT

B-201, Darshnam Oxy Park,  
Nr. Neelkamal Farm,  
Vasna Bhayali Road,  
Vadodara-390007,  
Gujarat (INDIA)

+91-99099.79870  
contact@aksharQHSE.in