

UNIT 3



Pre-task

P.1 “*You must be the change that you want to see in the world*”. Do you know who said this? There are people in India who followed these words of Mahatma Gandhi and influenced the lives of many. Let’s read about two such people who, with their small initiatives, changed the lives of many.

a. Wastage of water is one of the most serious issues of the country today. But there is one man who decided to help people stop it by helping them single-handedly. Therefore, he is also known as ‘One Man NGO’. The writer, artist and cartoonist Aabid Surti wages war against water wastage. Every Sunday, this national award winner walks around homes in Mumbai and fixes leaking taps to save every drop of water. Wonderful idea, isn’t it? Aabid says, “*If I can, you can.*”



b. Have you heard about the *Mother of Orphans*? Sindhumati Sapkal is a social worker who has adopted more than 1000 orphan children so far. Her life started as being an unwanted child. Her husband abandoned her when she was nine months pregnant. She had to beg on the streets to survive and realized about the condition of the orphan children. Her circumstances forced her to lose courage and succumb to the adverse situations. But Sindhutai emerged stronger with every difficulty she faced. Today, she proudly says “*I am there for all those who have no one.*”



P.2 Brainstorm at least two problems or difficulties faced by common people around you. Think of what your group can do to solve them. Share your ideas with the class. One is done for you.!!!

Problem	Our idea to solve it
-Plastic bags -Polythene bags	carry paper / cloth bags while going shopping

P.3 Study the table about the impact of pollution.

Cause	Effect	Solution
<ul style="list-style-type: none"> • Burning of Fossil Fuels • Agricultural activities • Exhaust from factories and industries • Mining operations • Indoor air pollution 	<ul style="list-style-type: none"> • Respiratory and heart problems • Global warming • Acid Rain • Depletion of Ozone layer 	<ul style="list-style-type: none"> • Use public mode of transportation, conserve energy • Understand the concept of Reduce, Reuse and Recycle • Emphasis on clean(natural) energy resources • Use energy efficient devices

Now write five sentences about the solution of air pollution. You can begin like this ...

We should use public mode of transportation instead of our own vehicle.

1. _____
2. _____
3. _____
4. _____
5. _____

Read

AN INTERVIEW WITH ARUN KRISHNAMURTHY



Arun Krishnamurthy was just 17 years old when he founded the NGO Environmentalist Foundation of India (EFI). Beginning with the Turtle Walk – a move to save turtle eggs and young hatchlings in Chennai, today Arun and his team of volunteers

have cleaned beaches and various water bodies in Chennai, Hyderabad, Delhi, Coimbatore and Puducherry. The team cleans lakes, beaches and zoos, plants trees, educates people through street plays and also makes environment-friendly paper bags. Arun's team has students who joined him when they were in Class – 7 and continued to work with him even after five years.

Which experience as a child inspired you to take up the cause of the environment? What was your first activity?

A beautiful lake next to my house, which once had a lot of birds, frogs and snakes, was heavily polluted. It led to the spread of mosquitoes and turned a lovely place into an ugly neighbourhood. This hurt me badly and I wanted to do something about it. I got together with a couple of my friends and cleaned the pond next to my house. This was the first activity.

What kind of support did you get from your parents and teachers? Was there any conflict between study-time and activism?

I have supportive parents who understood that my interest was the environment. They have never stopped me from doing what I want. On my part, I also made sure that I did not fail my parents in any way. I always informed them about everything that I did and took their advice before

jumping into actions. I have teachers who taught me how to go about things. They also taught me humility – so that I did not become snobbish or arrogant and start thinking I was a superstar because I was doing all this environment work. They taught me to be simple and keep learning all the time. I am not an activist, I am an environmentalist. I have learnt so much by doing this work.

How did your school and college further your interest?

Both my school and college had plenty of green cover and both were home to several other life forms. This made me understand their importance, how beautiful they are and why we need to protect them. These animals are on their own, find their own food and are always active, on the move and never lazy. It is so positive; we have a lot to learn from them.

Did you feel any hesitation in quitting a

well-paying job and venturing into this full-time? What were the options you weighed before you arrived at your decision?

It is always good to decide in favour of what you really love to do. I quit my job at Google, but I still keep in touch with my friends there. So only my duties at Google have come to an end, not my emotional bond.

I understood that I had to leave the job at that minute in 2010, or else I would never be daring enough to do so. I could not sit back and enjoy life when environmental damage was happening on such a large scale. I wanted to do something and that something needed my full attention. So I left Google for EFI.

What kind of garbage do people throw into water bodies? How do you deal with the removal of this garbage once you clean the water body?

Everything from a diaper to worn out slippers – we find everything in our lakes. This is so disturbing because it is water and water is the basis of life. How can we not care for these water bodies? We use this garbage for landfill with no or minimal exposure to the outside environment. We ensure that the lake area and water-holding are free of garbage so that birds, frogs and snakes can live in peace.

How many days does it take to clear a large lake? Do you use any special equipment for cleaning and safety?

Depending on the size of the lake and the amount of garbage, it can take anywhere between 5 days and 3 months to completely clean a lake. We have our tools like rakes and spades.

What kind of protective gear do you use?

Can you describe the cleaning process briefly?

We wear nose masks, sanitary gloves and carry rakes and spades with which we collect the garbage and dump it into collection buckets which are taken to the garbage truck. We also use heavy machinery like earth movers and Poclain to desilt the lake and clear the weeds and shrubs that are harmful.

What, in your opinion, can children and young adults do for the environment? What could be a small beginning by all of us in terms of protecting the environment?

Firstly, we should all stop throwing trash outside our homes. Next, we should reduce the amount of trash we generate. Straws, tissues, wrappers, batteries, fast food junk, all these end up in lakes and they come from our homes. If we can reduce the amount of garbage at home and if we can dispose all garbage safely, that itself is a great deal. Every student is welcome to volunteer with us in helping the environment.

How much time do school-going children need to devote, in say a week, for an environmental cause?

Four hours a weekend – that is two hours on Sundays and two hours on Saturdays. This small beginning is more than enough to ensure larger participation later.

How can students and schools join your fraternity? Do you have any programmes to introduce your work to them?

Yes, we offer fellowships to interested students. Our programme looks at young animal lovers, young wild life photographers, film-makers, theatre artists and scientific researchers. We give them training in these areas and get them actively involved in all our work. Our youngest volunteer is in Class 3.

Glossary

environmentalist પર્યાવરણવિદ્ a person who works to protect the natural world from pollution and other threats **wage** begin or continue a war **turtle** tortoise કાચબો **volunteer** person doing some unpaid service willingly **beach** a sea-shore **water bodies** lakes, rivers etc. **environment** the natural world પર્યાવરણ **environment friendly** પર્યાવરણને નુકશાન ન કરે તેવું **planet** a large round object in space such as the earth **cause** something or someone that makes something happen **polluted** dirty પ્રદુષિત **conflict** a struggle **humility** humbleness **snobbish** દંભી **arrogant** having insulting attitude અહંકારી **activist** a worker કાર્યકર **further** help the progress of something **hesitation** બચકાટ **quit** leave (a job, school etc.) **venture** to start to do something new that is risky **weighed** thought carefully about something to make a decision **bond** relationship **large scale** મોટાપાયે **diaper** બાળોતિયું **landfill** a system under which waste materials are buried under the ground **worn out** too old or damaged **exposure** public attention and notice **equipments** tools **rake** a tool **spade** a tool **protective gears** tools that are used to protect from dirt and infection **dump** to put something somewhere in a careless way **weed** a useless plant **shrub** ઝાડી ઝાંખરા **trash** things that are no longer useful **devote** offer **enterprise** an activity that involves many people that is often difficult સાહસિક કાર્ય , જોખમીકાર્ય

I feel...

- How do you feel when you see people throwing garbage around?
 - What would you do to inspire young people to work for the cause of environment?
 - Which qualities of Arun would you appreciate?
 - As a student, what would you advise your schoolmates to keep your school surrounding clean and neat?
 - Usually do people keep a village pond clean? If 'No' what will you do to keep it clean?
- Present your group's idea to the class. 🧑🧑🧑

Vocabulary

V.1 Use the words from the box to complete this text about environmental problems.

polluted, disposal, layer, green house, environment, resources, deforestation, removal, garbage

Pollution is a major problem of our times. Air, water and land all are _____. Poor waste _____ is to blame for many of the problems. Pollution of the atmosphere has led to the destruction of ozone _____ and _____ effect. Moreover we are wasting our natural _____. The act of _____ has also created many problems. Each of us has to act sincerely to protect our _____.

V.2 Match A with B and form a sentence (of more than four words) using both the words. One has been done for you. 🧑🧑🧑

No	Part A	Part B	Sample
1	mosquitoes	paper bags	Generally mosquitoes spread malaria in monsoon. _____
2	supportive	a job	_____
3	quit	malaria	_____
4	removal	clothes	_____
5	worn out	garbage	_____
6	team	parents	_____
7	environment-friendly	volunteers	_____

V.3 Find and write the words having similar meaning from the first three question-answers of A. Krishnamurthy's interview.

- | | |
|------------------------|------------------------|
| 1. established - _____ | 6. few - _____ |
| 2. sea shore - _____ | 7. assist - _____ |
| 3. very dirty - _____ | 8. struggle - _____ |
| 4. varied - _____ | 9. beautiful - _____ |
| 5. keep on - _____ | 10. humbleness - _____ |

V.4 Choose the most appropriate words to complete the sentences.

volunteer, parent, environmentalist, super star, film maker, chemist, scientific researcher, musician

1. Every _____ is worried about the future of her/his son or daughter.
2. A _____ works selflessly for the mission s/he joins.
3. People rush in to have a glimpse of a _____ wherever s/he goes.
4. Jenil's father is concerned about the environment and does something for it. He is an _____.
5. Mr. Aiyer is busy in his laboratory inventing something. He is a _____.
6. Ram Gopal Verma produces horror and suspense movies. He is a _____.

V.5 Use the correct form of the words from the box to complete the sentences.

support, decide, remove, beautify, inform, attend, pollute, devote

Sample: Your attendance in both the semesters is low, so you can't appear at the board exam.

1. Kalpana Chawla had _____ parents that helped her to choose her desired career.
2. The _____ of giving text books free of cost to all the students by the government is praiseworthy.
3. Before you pass your S.S.C exam, you should have _____ about all the courses after 10th.
4. When mummy reached home, she found that everything was set _____ in the room.
5. Our request of _____ the heap of garbage at the corner of our street was attended immediately.
6. The government has launched a project to clean the _____ rivers of our country.

V.6 Clip- words ↑↑

Clipping occurs when the original word is reduced to one of its parts, resulting in the formation of a new word. This process is also referred to as 'truncation' and 'shortening.' In clipping, the word is shortened but the meaning remains the same.

Samples:

- A **memo** is a brief written message often used in business. It is a clipping of **memorandum**.
- If your pet is sick, you take it to a **vet**. It is a clipping of **veterinarian**.
- A clip for **gasoline** is **gas**.

Now write the clip word for the longer words.

brother -	advertisement -
champion -	graduate -
doctor -	teenager -
popular music -	market -
hamburger -	gymnasium -
demonstration -	influenza -
revolution -	president -
refrigerator -	

Find out some clip words from English news papers and write the main word.

- (1) **con** : convict (2) _____ (3) _____
 (4) _____ (5) _____ (6) _____
 (7) _____ (8) _____ (9) _____
 (10) _____

V.7 Use the set of words to frame a sentence. You may change the order and form of the word.

1. conflict- arrogant- office 2. hesitation- quit- job
 3. humility- venture- activist 4. volunteer- enterprise- large scale

Comprehension

C.1 Make a list of trash/ garbage items thrown around. Make a list of things and equipments Arun and his team use.

List of trash items	List of things/ equipments
diaper	rakes

C.2 Note what you liked most and what you liked least in this text related to Arun Krishnamurthy's statements and his beliefs.

I liked most	I liked least
• • • • •	• • • • •

C.3 Tick mark the most appropriate option.

1. Arun learnt from his teacher _____
 (a) never to stop learning. (b) to do great work to become great.
 (c) to seek help of other people. (d) to learn from his own deeds.
2. Water is the basis of life means _____
 (a) we find everything in water. (b) all living beings need water to grow and live.
 (c) birds and animals need water. (d) vegetation grows with the help of water.

3. The green cover around Arun's school inspired him _____
 (a) to plant more and more plants and trees.
 (b) to think and understand about the importance of life form like birds and animals.
 (c) to save birds and animals.
 (d) to launch a movement to protect the greenery.
4. "My school and college had plenty of green cover." It means _____
 (a) his school and college had been covered with green net.
 (b) there were lots of big trees, plants and greenery around his school and college.
 (c) his school and college garden had a green lawn.
 (d) his school and college had understood the importance of green cover.

C.4 Answer these questions.

1. Which organization did Arun found at the age of 17? Ans: _____
2. What were Arun's parents like? Ans: _____
3. What, according to Arun, should we ensure? Ans: _____
4. What did Arun and his team do to protect themselves from dust? Ans: _____
5. How much time should school going children devote for environmental causes?
 Ans: _____
6. What hurt Arun badly? What did he decide then? Ans: _____
7. How did Arun's parents and teachers encourage Arun in his drive for environment?
 Ans: _____
8. Why does Arun believe that he is an environmentalist and not an activist?
 Ans: _____

C.5 Write short notes.

(1) Arun- a young environmentalist
 founded an NGO- 17 years of age- works for the cause of environment- left job at google- working for environment-water bodies- other life form

(2) Arun's NGO EFI
 founded at the age of 17- cleaned the lake near his house- cleaned the surroundings- removed trash- garbage-restore water bodies-encourages students- offer fellowship

C.6 Describe a clean/ beautiful lake and a polluted/ an ugly lake. Classify the listed words/ phrases. Use the words in your sentences and present them before the class.††

looks very ugly, neat and clean water, dirty, foul smelling, clean-clear blue water, filthy things, trash, attractive look, boating, trees-greenery all around, plastic bags, pouches, wrappers, diapers, slippers in the water, likes to walk around, benches to sit and enjoy, water creatures like fish,

jelly-fish, turtles, snakes, frogs live in, birds fly around, no sea/ water creatures, turtles, snakes die because of poisonous things, spread of mosquitoes, nobody likes to visit, well structured, well maintained, clean banks, ill maintained

(A)	clean / beautiful lake	polluted/ugly looking lake