

Plastic Waste and its types (Session 1)



aviral

Reducing Plastic Waste
in the Ganga

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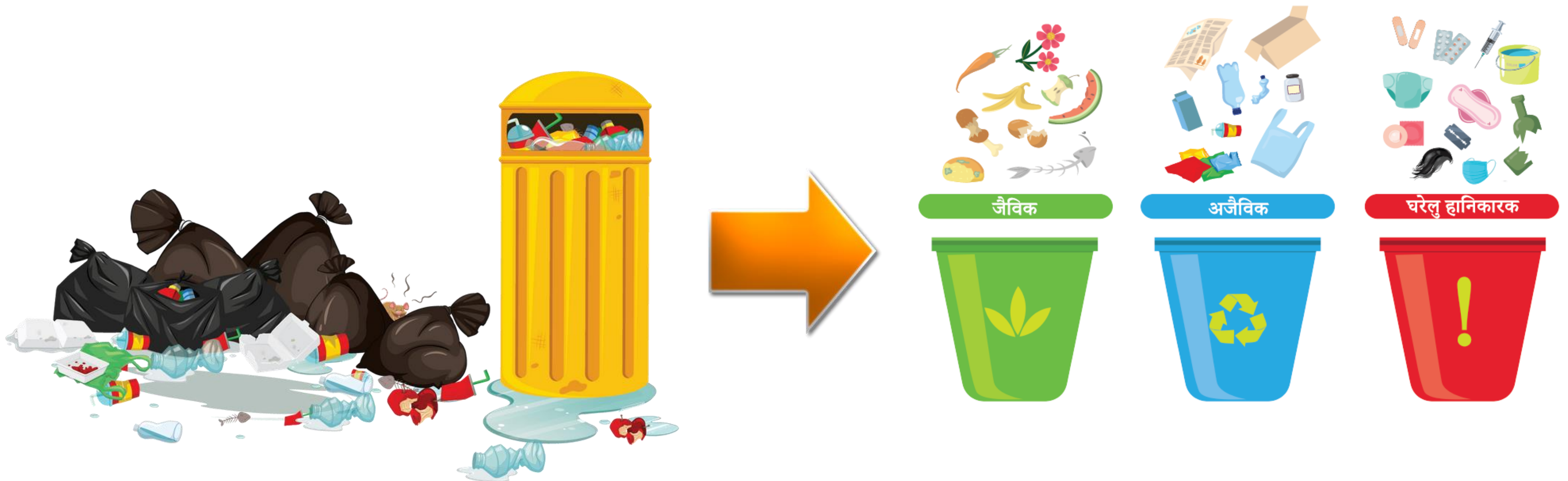


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Let's Revise!

Journey from 'Waste' to 'Segregated Waste'



WHAT IS PLASTIC?

A few known facts about plastic...

Plastic is a synthetic polymer

Invented
in 19th
century

Malleable, lightweight,
transparent,
unbreakable

Made from
fossil fuels

BUT it is not BIODEGRADABLE



Types of Plastic



Polyethylene Terephthalate (PET)

- Soft drink Bottles
- Plastic Water bottles
- Face wash tubes

PET products CAN be recycled



High-Density Polyethylene (HDPE)

- Shampoo bottles
- House and Toilet cleaning bottles
- Motor Oil cans

HDPE products CAN be recycled



Polyvinyl Chloride (PVC)

- Plumbing Pipes
- Flooring
- Electric cables

PVC products CAN be recycled





- Low-Density Polyethylene (LDPE)**
- Plastic Bags
 - Transparent plastic wrappers
 - Milk packets

- Polypropylene (PP)**
- Automobile parts
 - Bottle Caps
 - Toys
 - Tupperware

- Polystyrene (PS)**
- Styrofoam or Thermocol
 - Disposable Beverage Cups and cutlery
 - Packing Material

- Others (including MLP)**
- Chips/toffee wrappers
 - Compact discs
 - Eyeglasses

LDPE products CAN be recycled

PP products CAN be recycled

PS products are difficult to recycle

'Other' products CANNOT be recycled



What is single use plastic?

SUP is a plastic commodity intended to be used once for the same purpose before being disposed of or recycled.

**Name some
of the
common
SUP
you use**

**How long
do you
use these
products
for?**



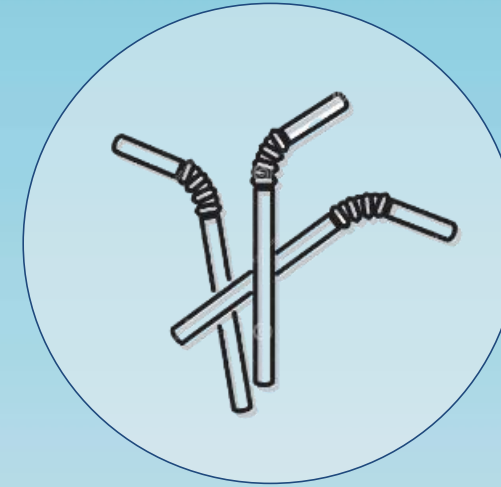
How long does plastic waste stay in the environment



20 Years



30 Years



200 Years



400 Years



450 Years



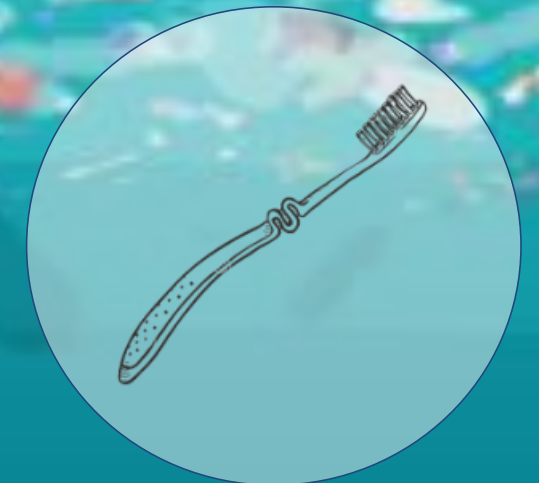
450 Years



500 Years

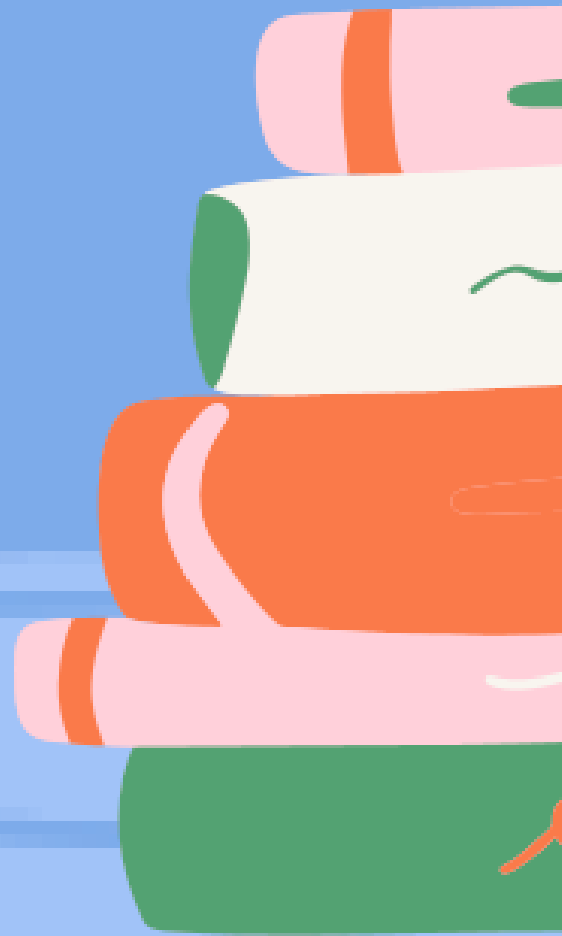


500 Years



500 Years

**TIME FOR A
VIDEO!!!**



An illustration on the left side of the slide shows a river flowing from a sandy bank on the left into a blue body of water. The river is filled with various types of plastic waste, including bottles, cups, and bags. The water is depicted with green and blue ripples, suggesting movement. The background of the slide is a dark blue gradient with a subtle pattern of light blue circles.

The Growing Problem

Every year, the world...

- Produces over 300 million tons of plastic waste each year
- 8 million tons of plastic waste end up in the oceans from rivers like Ganga each year
- By 2050, there will be more plastic than fish in the ocean.
- India generates 9.46 million tonnes of plastic waste annually
- Uttarakhand generated 31,093 MT of plastic waste in 2018-19

What does unmanaged plastic waste do?



HARMFUL FOR THE ENVIRONMENT

- Pollution in the rivers and oceans and open areas
- Microplastics in environment



HARMFUL FOR THE ANIMALS

- Animals mistake plastic waste for food and eat them
- Marine animals get tangled in them and can suffocate



HARMFUL FOR ALL OF US

Plastic waste in the open is sometimes burnt where the fumes are harmful for all of us



**What Can
We Do?**

Plastic bag Vs Cloth bag

You use me for
5-10 Mins.
But I live for
500-1000 Years.



By using a cloth
bag one person can
remove upto
20,000 plastic bags
going in the
environment.



Instead



Find Alternatives

**USE REUSABLE
WATER
BOTTLES**

**USE STEEL OR
BAMBOO
STRAW**

**AVOID
DISPOSABLE
PLATES AND
CUTLERY**

**BUY LESS
PACKAGED
FOODS**

SHOP IN BULK

**SWITCH TO
GLASS OR
TUPPERWARE**

**AVOID PLASTIC
DECORATIONS/
FLOWERS FOR
CELEBRATIONS**

**USE A BAMBOO
OR WOOD
TOOTHBRUSH**



Plastic Waste Show and Tell

- **Step 1: Identify 5 plastic products in your house based on the different categories**
- **Step 2: Keep the 5 plastic products ready for your activity in the next session**
- **Step 3: In the activity class, show and tell your products: what category they come under, and whether or not they are recyclable**

Meri **Green** Kahani

Activity Time

Make one ecofriendly change in your life like switching to a reusable bag/water bottle, upcycling waste to make art etc

Make a video of you and your green kahani

Share the video with us on Whatsapp -
(Haridwar/Rishikesh number)



Any questions?

See you in the next class
and remember to keep your
plastic waste products
ready for the next session !



Thank You!



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in the Ganga

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**ALLIANCE
TO END
PLASTIC
WASTE** 

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