

TOPIC:

# Managing Garbage We Produce

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## Biodegradable

Biodegradable materials can be decomposed by microorganisms such as bacteria, enzymes and fungi.

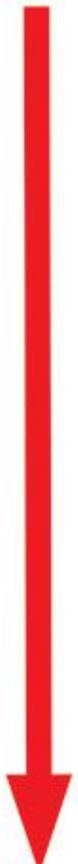


## **Non- Biodegradable**

an object that cannot be decomposed into organic and environmentally safe waste products. This is unlike biodegradable objects which can easily be decomposed by soil bacteria into organic and safe waste materials.

# The Waste Management Hierarchy

MOST DESIRABLE  
OPTION



LEAST DESIRABLE  
OPTION



**REDUCE**

Minimize the amount of waste produced



**REUSE**

Use materials more than once



**RECYCLE/COMPOST**

Use materials to make new products



**RECOVER**

Recover energy and metals from waste



**DISPOSAL**

Safe disposal of waste to landfill



# A case study


- Using Kulhad disposable cups to serve tea in trains were proved to be a bad idea because of its cost compared to plastic or paper disposable cups.
- Hence, even though the then Union Railway Minister, Shri. Lalu Prasad Yadav introduced this eco-friendly cup to promote pottery industry; manufacturing of kulhad cups on a large scale to serve in Railways where millions travel daily would require materials like topsoil and fuel.
- Increased removal of the top fertile soil will lead to soil erosion and infertility. Using more fuel is not economically or ecologically safe.



# What we can do?

- Changes in attitude
  - Life Style
  - Packaging
  - Use of degradable substances
- Awareness

# What we can do?

- **Reduce**
  - Only buy what you need
  - Choose products with less packaging
  - Buy in bulk
  - **Reuse**
  - Look for items that you can re-use
  - Refill a water bottle with water from home instead of buying a new one
  - Update your computer rather than throwing it out and getting a replacement
  - Ditch plastic bags and choose reusable, environmentally-friendly bags instead
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# What we can do?

Materials that can be sent for recycling include:

- Glass
- Cardboard
- Aluminium
- Lead batteries

This kind of wastes are called solid waste (Solid waste also includes Municipal Solid Waste (MSW) like food, wood piece, plastic cans etc.)

Plastic recycling often challenging and majority of the plastics cannot be recycled due to presence of different kinds of polymer resins.



THANK YOU