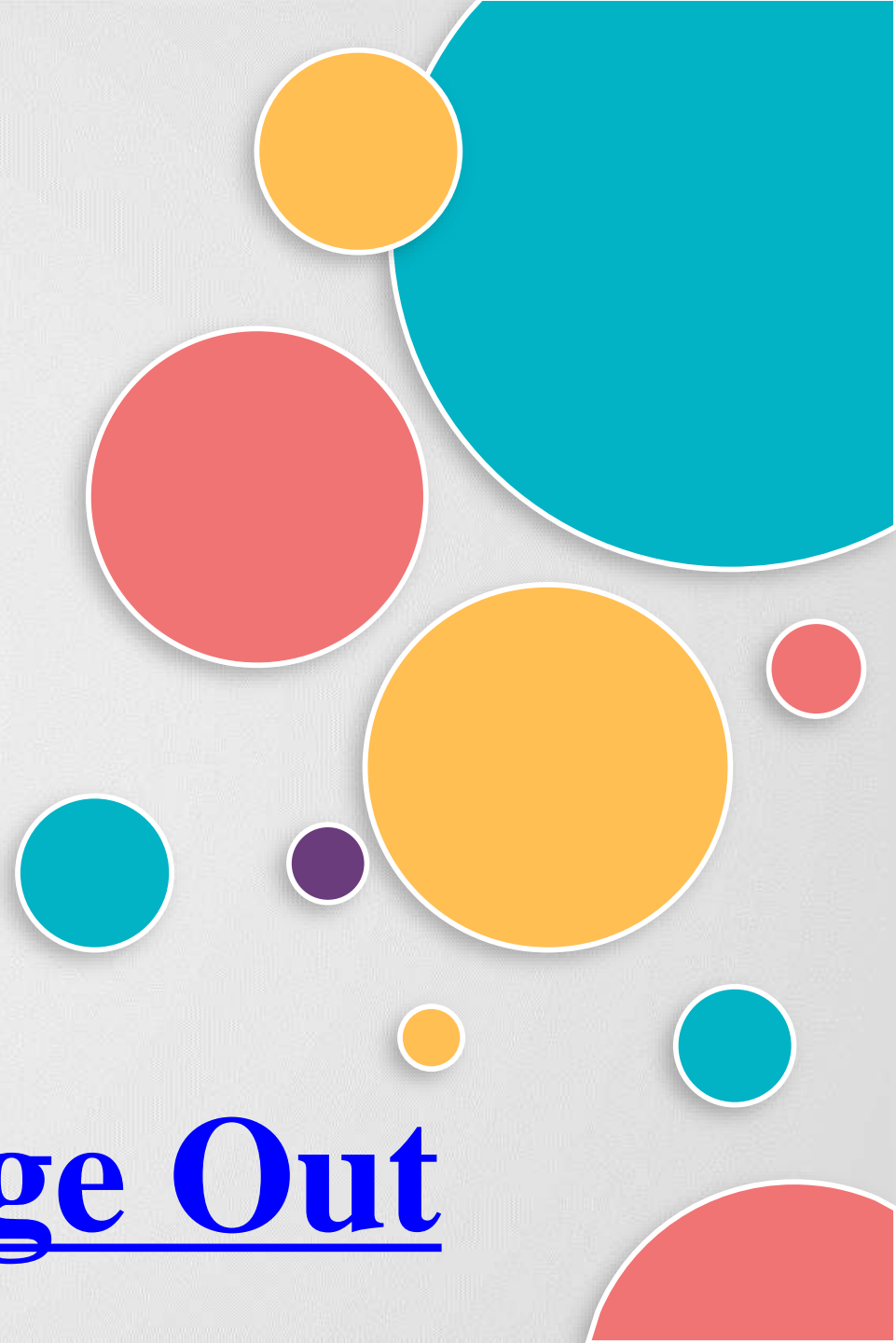


**Module 4/4**

**CLASS VI**

**CHAPTER 16**

**Garbage In, Garbage Out**



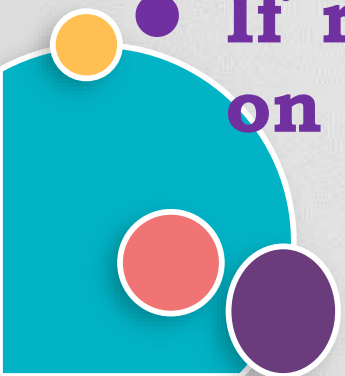
# Recycling of Paper


- ◆ Paper recycling pertains to the processes of reprocessing waste paper for reuse.
- ◆ Waste papers are either obtained from paper mill paper scraps, discarded paper materials, and waste paper material discarded after consumer use.
- ◆ Examples of the commonly known papers recycled are old newspapers and magazines.



# Process of Recycling of Paper

- **Tear the paper into small pieces. Put them in a tub or a bucket and pour water in it. Let the pieces of paper remain submerged in water for a day.**
- **Make a thick paste of paper by pounding it.**
- **Now, spread the wet paste on the wire mesh fixed to the frame.**
- **Pat it gently to make the thickness of layer of the paste as uniform as possible.**
- **Wait till water drains off.**
- **If required spread an old cloth or a sheet of newspaper on the paste to let it soak up the extra water.**



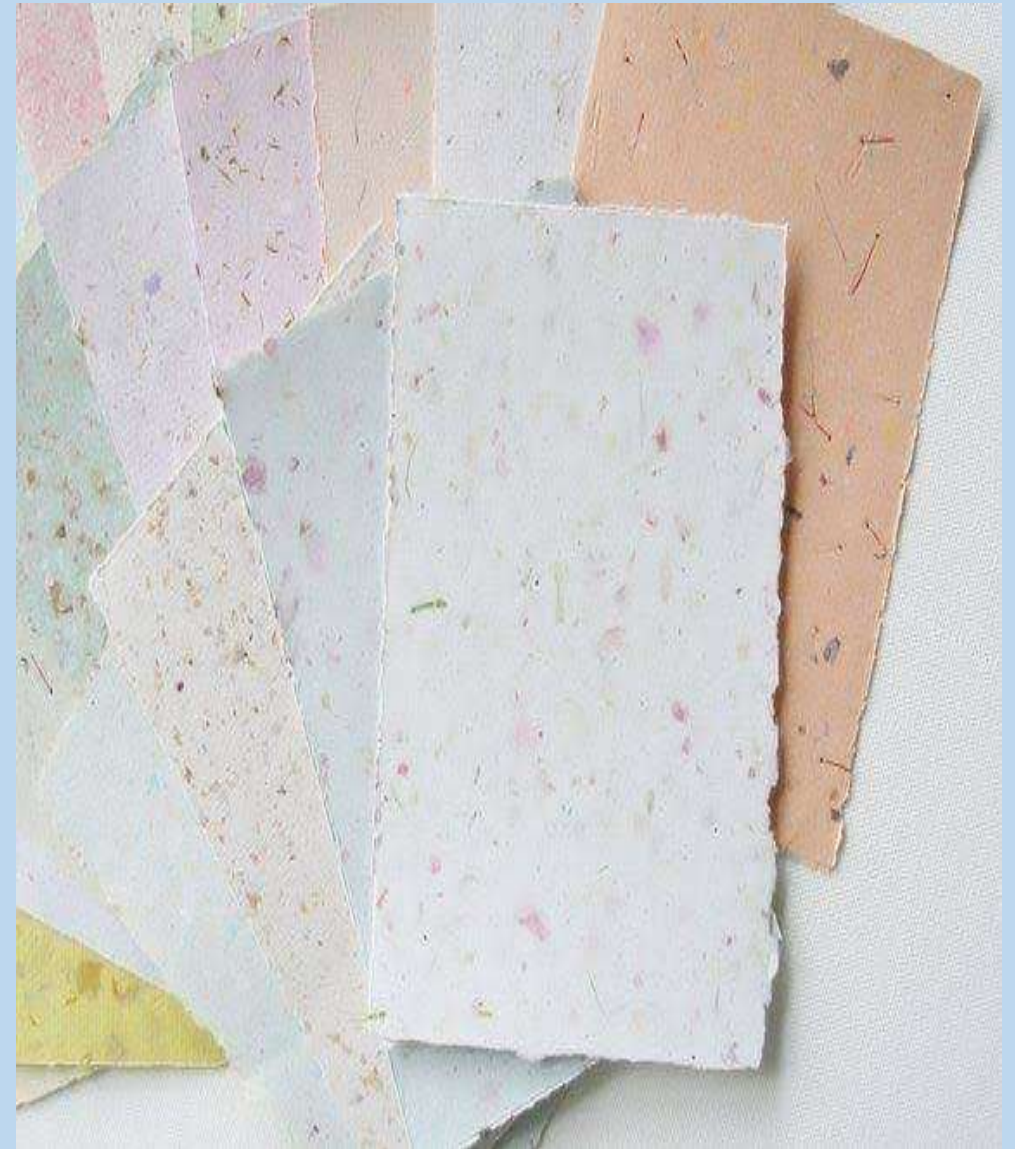
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- **Now, carefully remove the layer of paste from the frame, spread it on a sheet of newspaper in the sun.**
  - **Keep the corners of the newspaper sheet pressed by putting some weights so that these do not curl up.**
  - **You can add food color, pieces of dry leaves or flower petals or pieces of colored paper in the paste before spreading it. It would help you to get a recycled paper with beautiful patterns on it.**





# Process of Recycling of paper

# Recycled paper



# Benefits of recycling paper.

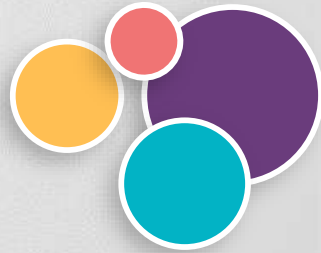
- ◆ **Recycling is an excellent and cost-efficient way of conserving the environment and saving energy.**
- ◆ **It takes 24 trees to produce one ton of paper. By recycling paper deforestation reduced.**
- ◆ **Recycled paper produces less pollution (approx 73%) as compared to preparing from raw materials.**
- ◆ **It Preserves Trees & Lessens Deforestation.**






# PLASTICS – BOON OR A CURSE?

## Plastic As Boon

- **Extreme versatility and ability to many materials.**
  - **Lighter weight than competing materials, reducing fuel consumption during transportation.**
  - **Extreme durability.**
  - **Resistance to chemicals, water and impact.**
  - **Good safety and hygiene properties for food packaging.**
  - **Excellent thermal and electrical insulation properties.**
  - **Relatively inexpensive to produce.**
- 



# Plastic - Curse

- **Non biodegradable.**
  - **Obstruct underground water percolation.**
  - **Microbes cannot destroy them.**
  - **Produce harmful gases when burnt.**
  - **Plastic bags thrown into the open drains and sewers clog them and cause stagnation of water, which in turn poses health hazards.**
  - **Disposable syringes, drip bottles, blood and urine bags and other medical accessories when disposed off in an irresponsible manner, cause a lot of serious health problems.**
- 




- **Animals sometimes feed on plastics and die painfully as plastic chokes their digestive and respiratory tracts.**
- **The disposal of plastics products also contributes significantly to their environmental impact. Because most plastics are non-degradable, they take a long time to break down, possibly up to hundreds of years.**








**After learning so much, it should be everyone's top priority to do their bit in saving the environment:**

- **3Rs- Reduce, Re-use and Recycle. Reducing the use of plastic and re-using harmless plastic to help reduce its over-production.**
  - **Recycling paper and such articles whenever possible.**
  - **Carrying jute and cloth bags when carrying out errands to avoid the use of polythene bags.**
  - **Properly disposing plastic and polythene bags**
  - **Not using plastic products and bags to store eatables.**
- 

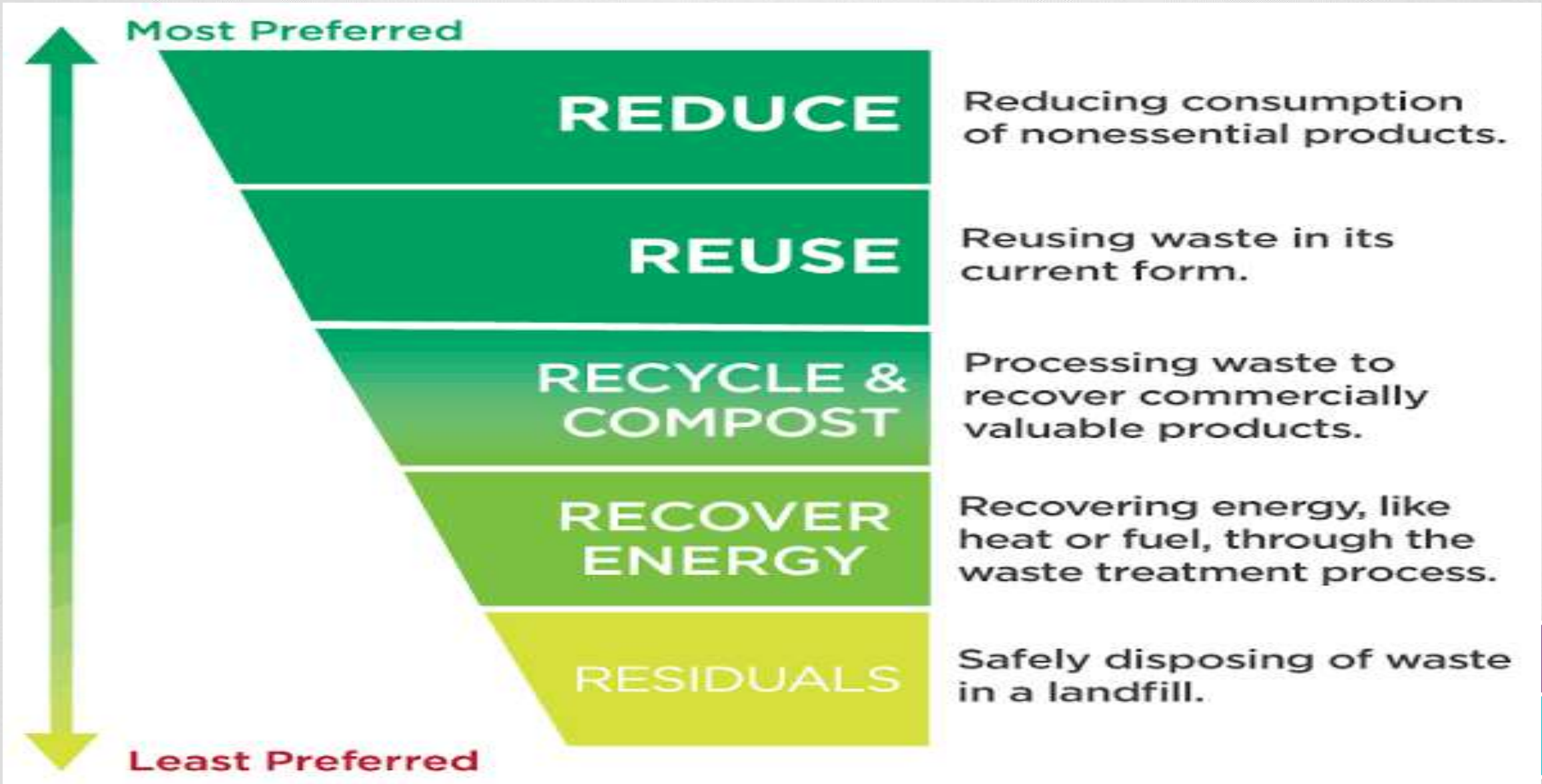


- 
- **Never burning plastic or dry leaves etc. and disposing them properly.**
  - **Using registers and notebooks made of recycled paper as much as possible.**
  - **Avoid putting waste materials in polythene bags and throwing them on the street.**
  - **Adopting practices like recycling paper and vermicomposting to make the best use of biodegradable waste.**

**This not only helps to reduce the waste that we produce but also becomes a valuable addition to the soil and helps in the nourishment of crops and plants.**



# The 4' R formula







Earth is the only planet having  
favorable environment for life!  
So, save it.



**THANK YOU**