

1. GREEN ENVIRONMENT

Class: IV

Subject: Science

I. Choose the correct answer.

1. What is the first step in waste management?
(a) Waste disposal (b) Waste separation (c) **Waste collection**
2. Which is an example for non-biodegradable waste?
(a) **Paper cup** (b) Plastic plate (c) Coconut shell
3. Picking up the waste is called _____.
(a) Composting (b) **Waste collection** (c) Recycling
4. _____ is the first 'R' in the Three R's.
(a) Reuse (b) **Reduce** (c) Recycle

II. Fill in the blanks.

1. _____ is an example of reusing waste.
(Using **old jars for pickle**/Saying no to a plastic bag)
2. _____ is used to make bags, dustbins and tooth brushes.
(Rose / **Bamboo**)
3. _____ is a big threat to our environment. (**Plastic** / Light)
4. _____ is a non-recyclable item. (Glass / **Multilayer plastic**)

III. Match the following.

1. Plastic waste - Threat to environment
2. Waste separation - Biodegradable, recyclable and non Recyclable
3. Reduce, Reuse and Recycle - Three R's
4. Stainless steel - Eco-friendly material

IV. Write true or false.

1. 3R method reduces the amount of waste that goes to landfills. **True**
2. Eco-friendly material is harmful to the environment. **False**
3. Plastic bag, thermocol and multilayer plastics are recyclable. **False**
4. We should not separate our waste. **False**

V. Answer in one or two sentences.

1. What are the Three R's?

Reduce, Reuse and Recycle

2. What is biodegradable waste?

Bio-degradable waste is a form plant or animal sources, which may be degraded by other living organisms.

3. Write the different steps in waste management.

- Separation of waste

- Waste collection and transportation
- Waste recycling and composting
- Waste disposal

4. Name any five items which are recyclable.

Paper, glass, metal, cardboard and plastic covers.

VI. Answer the following.

1. How will you manage the household waste?

- Divide the waste into different waste bins.
- Each bin should have different type of wastes.
- It is good to separate waste in three different bins.
- Green for biodegradable waste, Blue for recyclable waste and Red for non recyclable waste.
- Non-biodegradable waste can be classified as recyclable and non recyclable.

2. What are the plastic items that have been banned in Tamil Nadu?

- Plastic bags,
- Plastic plates ,
- Water pouches,
- Plastic straws,
- Plastic sheets.

3. Write the benefits of recycling.

1. Old newspapers, note books and magazines are separated and sold to a scrap dealer. They will be made into new papers.

2. PET bottles are recycled into plastic threads and then used to make sports T-shirts.

3. Old glass bottles and broken glass pieces are melted to make new glass.

4. Broken metal items like tiffin boxes and plates are melted and made into new metal products like toys.

4. What is meant by eco-friendly material?

Materials which are beneficial to the environment and do not cause harm are called eco-friendly material.

Text book Activity

Activity: 1 (pg no: 65)

1. Write the waste management process in the correct order.

(Waste disposal, Waste collection and transportation, Waste separation, Waste recycling and composting)

1. Waste separation
2. Waste collection and transportation
3. Waste recycling and composting
4. Waste disposal

Activity: 2 (pgno:67)

1. List out four things that you can reduce, reuse and recycle at home or school.

Reduce	Reuse	Recycle
You can buy a refill pen and change the refill only when the ink is used up.	You can reuse old clothes as a rag to clean your home or even wash your cycle	Old newspapers, note books and magazines are separated and sold to a scrap dealer. They will be made into new papers.
While shopping with your parents, you can carry a cloth bag. In this way you can avoid buying plastic carry bags	You can reuse jam and pickle jars to store things.	PET bottles are recycled into plastic threads and then used to make sports T-shirts
Turn off lights and fans when you leave a room	You can donate old clothes that still look good to poor and needy children.	Old glass bottles and broken glass pieces are melted to make new glass
Close the tap while you are brushing your teeth.	You can reuse waste and make something new. E.g. You can reuse a plastic bottle as a pen stand or a bird feeder.	Broken metal items like tiffin boxes and plates are melted and made into new metal products like toys.

Activity: 3 (pgno:70)

1. Study the images below and write down three items you have at home in each Category of waste.



Biodegradable: vegetable peels, Fruit peels, mat.



Recyclable: Glass, metal, paper, cardboard.



Non-Recyclable: Plastic bags, CFL lights , Mixed electronic waste .

Activity : 4 (pgno:74)

1. Write any five non-recyclable items that you use or have seen in shop

- Plastic bags,
- CFL lights ,
- Mixed electronic waste,
- Medical waste,
- Polyester.