

1. Name the plastic material globally found in highest percentages both in usage as well as waste?
2. Select a material that can be used for monomer recovery: Polyethylene, Polystyrene, Nylon 6,6.
3. Define scientific way of landfilling waste.
4. Name the materials that can be recycled from a car battery.
5. Choose the best recycling method from pyrolysis, gasification, extrusion processing, incineration and landfilling,
6. PET bottles are to be recycled for use in manufacture of fibres. Apply recycling methodology, identify the steps involved in the recycling process with their purpose.
7. Applying the basics of recycling methodology, select and plan PET monomer recovery process.
8. Explain PET bottle recycling in detail.
9. Illustrate the different methods of plastics recycling with examples.
10. Which process of hydrolysis of paper containing plastics waste results in the weight loss of the cellulose component as high as 5-20%?