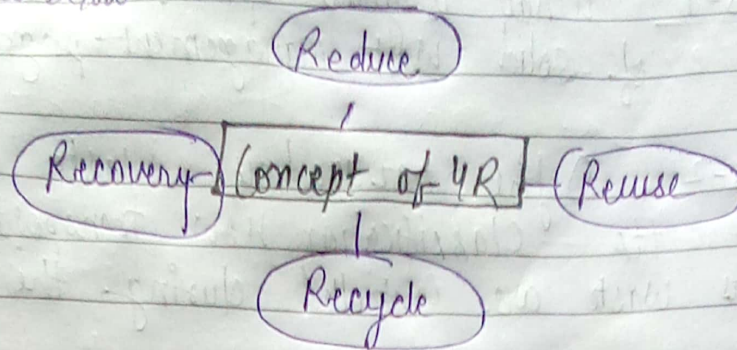


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Ans-9 Concept of 4R — There are following 4R in Solid Waste management listed below-



1. Reduce — minimizing the consumption of raw materials. true improvement in the design the products may allow a significant reduction in the design of products and in the amount of waste generated when they reach through end of the life cycle.
2. Reuse — This is mainly applied to packaging goods. It has been defined as any operation by which the packaging items are refilled or used for the same purpose for which they were made with or without the support of auxiliary products. Consumer industries encourage to promote the reuse of goods & packaging instead of disposal.
3. Recycle — This allows the waste to be reintroduced into the consumption cycle generally in secondary applications because in many cases the recycled products of lower quality than virgin ones. The recycling must be applied only when.
4. Recovery — When the recycling of waste is not feasible or there is no market

for the recycle product incineration can be used to generate energy from the waste combustion heat.

- plastic materials of high calorific value in the plastic waste greatly contribute to the energy produce in the incineration plant.
- Alternatively they can be used as fuel in number of applications like power plants, industrial furnaces and cement industries.