

SCIENCE

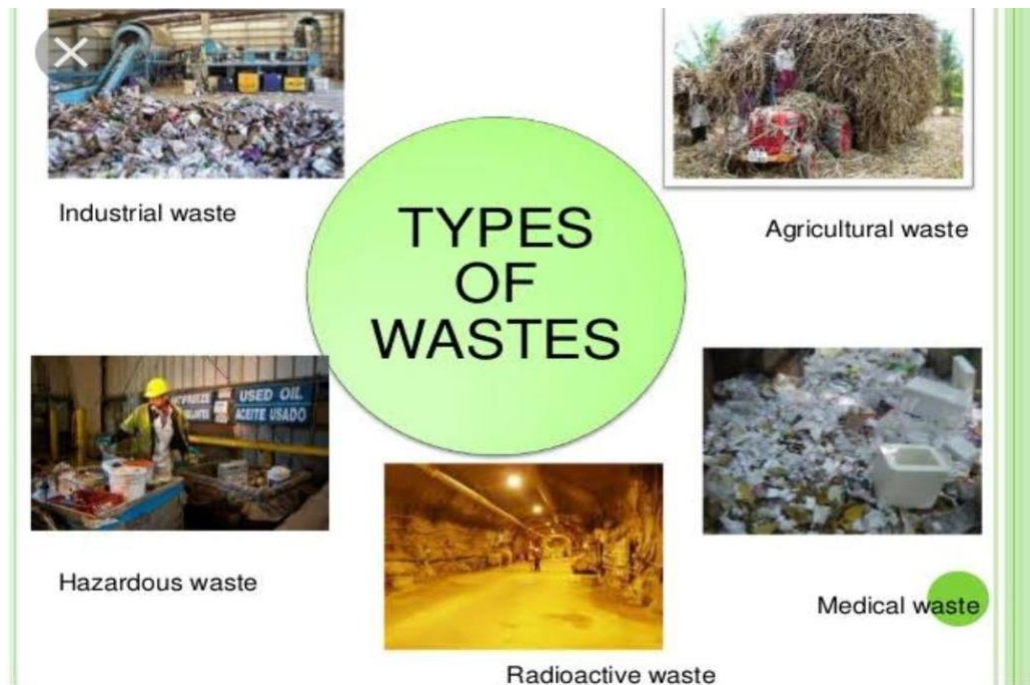
STD VI

WASTES

1. Name the categories into which waste can be classified on the basis of its source.

A1.The wastes can be divided into four categories based on its origin -

- *Domestic waste
- *Industrial waste
- *Agricultural waste
- *Biomedical waste



2. What are landfills?

A2. Natural or man-made slopes or troughs which are filled with waste are known as landfills.

3. What is leachate ?

A3. The liquids that ooze out from the waste and pollute the surrounding soil is called leachate.

4.How does organic waste decompose?

A4.Organic waste is bio degradable and decomposes by the action of natural decomposers as bacteria and fungi.



5. What is incineration?

A5 *When waste is burnt at a very high temperature in a closed oven, the process is called incineration.

*Biomedical waste is normally disposed this way.



6. What does domestic waste consist of ?

A6. The domestic waste consists of peels of vegetables and fruit , left over food, cans, tins and bottles and also organic waste from the toilet.

7. Which type of waste is hazardous and why?

A7 Generally speaking all non-biodegradable waste is hazardous because it can not be broken down by bacteria and fungi.

- *Industrial waste contains many poisonous chemicals and is thus dangerous.

- *Biomedical waste can be a very big source of infection.

8. What steps should be taken to ensure that a landfill does not cause pollution?

A8. To ensure that a landfill does not cause pollution, the following steps should be taken-

- *The landfills should be far away from habitation.

- *Toxic waste should not be disposed off on the landfill.

- *Landfill should be covered with soil to prevent scattering by scavengers.

- *They should be lined with plastic so as to prevent leaching.

9.What is recycling ? How is it beneficial?

A9.Converting used materials into something which can be used all over again is termed as recycling.

- *It is beneficial because -

- *Toxic substances can be converted into less toxic ones.

- *Resources can be reclaimed.

- *It also helps reduce the use of other resources.



10. Why should waste be segregated?

A10. We must segregate the waste into biodegradable and non-biodegradable waste because-

*The biodegradable waste can be broken down by bacteria and fungi, but the non biodegradable waste can not be broken down by decomposers so these wastes should be separated.

*Non -biodegradable wastes should be taken to the recycling plant.



11.What is composting?

A11. When biodegradable waste is broken down with the help of fungi and bacteria to manure ,the process is called composting.

When earthworms are used to quicken the decomposition the process is called vermicomposting.

12. Distinguish between biodegradable and non biodegradable waste, giving examples.

A12. Biodegradable substances are those which can be broken down by bacteria and fungi . Eg. Paper, wood, cow dung, cotton, straw.

*Non-biodegradable substances are those which can not be broken down into simpler substances by bacteria and fungi. Thus, they continue to accumulate and are a major source of pollution.

Biodegradable



Peels of vegetables and fruits



Paper



Wood

Non-Biodegradable



Plastic Bag



Glass Bottle



Can

13. Explain how waste can be harmful for our health.

A13. Waste can be harmful for our health ,if it is not disposed properly as-

- *Solid waste that is left in open ,may become a breeding ground for various pathogens, mosquitoes, thus causing diseases.

- *Accumulation of wastes in open can also lead to the spread of deadly disease called plague by rats.

- *Accumulation of such wastes in water, pollutes the water bodies and even lead to the spread of waterborne diseases like cholera, dysentery.

- *If by chance ,the toxic chemicals from these wastes enter our body, they cause serious harm to our lungs and kidneys.