



INDIAN SCHOOL AL WADI AL KABIR

Class: VI	Department: SCIENCE	Date: 16/8/2020
Worksheet No.: 7 WITH ANSWERS	Topic: GARBAGE IN, GARBAGE OUT	Note: A4 FILE FORMAT
NAME OF THE STUDENT:	CLASS & SEC:	ROLL NO.

I. OBJECTIVE TYPE QUESTIONS:

1. Which among the following is not an agricultural waste?

- (a) Fertiliser (b) Husk (c) Chaff **(d) Metal scrap**

2. Which of the following items is non-biodegradable?

- (a) vegetable peel (b) Used tea leaves
(c) broken mirror (d) cotton wool

3. Plastic waste can cause _____

- (a) clogging of drains (b) poor aeration of soil
(c) harm to animals **(d) all of the above**

4. Which process cannot be included in the waste management?

- (a) land filling (b) composting
(c) recycling **(d) disposal after single use**

5. Paheli gave the following ill effects of the practice of burning dried leaves and other plant parts.

- (i) burning degrades the soil.
(ii) burning produces harmful gases / fumes.
(iii) precious raw materials to obtain manure at low cost is lost.
(iv) lot of heat is generated unnecessarily.

Choose the correct pair of sentences that are true to the above statements.

- (a) (i),(ii) and (iv)
(b) (i), (ii), (iii) and (iv)
(c) (ii) and (iii)
(d) (ii), (iii) and (iv)

6. In a campaign to save the environment, the following habits are encouraged.

“Reduce the use of paper; Recycle newspaper; Reuse paper bags”.

- (a) to conserve the petrol (b) to use more plastic
(c) to save the forest (d) to avoid water pollution.

7. Read the information about a substance “P” given below.

P – can be recycled; bio-degradable; non-toxic and useful.

Which of the following substance is “P”?

(a) paper (b) glass bottle (c) metal can (d) plastic bottle

Select the correct answer to these questions from the codes (i), (ii), (iii) and (iv) as given below-

i) Both A and R are true and R is correct explanation of the assertion.

ii) Both A and R are true but R is not the correct explanation of the assertion.

iii) A is true but R is false.

iv) A is false but R is true

8. Assertion (A): After a landfill site is completely filled with garbage it is converted into a park and no building is allowed to be constructed for next 50 years.

Reason (R) : Human habitat should be away from landfills to avoid harmful gases, diseases and dirty condition of landfills.

i) Both A and R are true and R is correct explanation of the assertion.

9. Assertion (A): Compost making areas are developed near the landfill.

Reason (R): It is done to utilize some of the useful components of garbage.

i) Both A and R are true and R is correct explanation of the assertion.

10. Assertion (A): Vermicomposting is done with the help of red worms.

Reason (R) : We can recycle paper to get useful products.

ii) Both A and R are true but R is not the correct explanation of the assertion.

II - BASIC CONCEPT LEVEL:

1. What is landfill?

Landfill is a low-lying open area where the garbage collected from a city or town is dumped. The area is later converted into a park or playground.

2. Differentiate between composting and vermicomposting?

Composting-converting plant and animal waste including that from kitchen, into manure, is called composting.

Vermicomposting-Method of making compost from kitchen garbage using red worms is called vermicomposting.

3. Why plastics are not suitable for storing cooked food?

Plastics are not suitable for storing cooked food because they emit harmful chemicals upon heating or burning. They may cause health problems like cancer in humans.

4. Why polythene bags should be avoided for garbage disposal?

Plastics thrown on roads get into drains. As a result, drains get choked and water spills on the road.

5. Suggest measures to minimize the over use of plastics and deal with garbage?

Carry cloth or jute bags for shopping, do not store food items in plastic bag, do not burn plastic bags, and reuse the bags whenever possible.

6. What are the two different types of dustbins provided by municipalities and what type of garbage they are meant for?

Two types of dustbins provided by municipalities are blue and green. Blue for plastics, metals and glass. Green for kitchen, plant and animal wastes.

7. How is plastic a curse for stray animals?

People often fill garbage in plastic bags and throw it away. When stray animals look for food in these bags, they end up swallowing these. Sometimes, they die due to this.

III – INTERMEDIATE LEVEL:

1. Why is there a need to segregate the two types of wastes?

There is a need to segregate the two types of wastes because the methods for disposal are different. The biodegradable can be composted and turned into manure and the non-biodegradable can be recycled. This also prevents toxins from entering the food chain.

2. Why do we say that composting results in 'recycling' of biodegradable waste?

Composting is a natural process of recycling the biodegradable waste because it reuses the nutrients present in the wastes and restores them to the soil, thus increasing the productivity of the soil.

3. What concerns does dispose off garbage raise?

One of the greatest problems that the cities and towns are facing today is the disposal of the garbage. The garbage collected from the entire city or town is so huge that it can neither be disposed to the river as this causes water pollution, nor it can be burnt as this releases poisonous smoke and gases which causes harm to the living beings.

IV – ADVANCED LEVEL:

1. How can we manage our e-waste like televisions, computers, CDs and mobile phones?

Electronic recycling is the recycling or reuse of electronic devices. Gadgets can be exchanged in the shops. System dismantled in such a way, the useful components are removed and reused in another device.

2. Explain why recycling is an efficient method of disposing of biodegradable waste?

Recycling of biodegradable wastes reduces the amount of wastes and helps to maintain the environment neat and clean. It also helps to restore the nutrients from the waste back to the soil.

3. List five ways in which you can contribute to a better disposal of waste.

Following are the ways by which we can contribute to a better disposal of waste:

- (i) Segregating the biodegradable wastes and non-biodegradable wastes in separate dustbins.
- (ii) Composting the biodegradable wastes.
- (iii) Reusing the plastic/metal cans for storing things.
- (iv) Reducing the accumulation of paper either by reusing it or recycling it.
- (v) Recycling the non-biodegradable wastes wherever necessary.

4. What are the four Rs of waste disposal? Explain each in a sentence.

The four Rs of waste disposal are:

(i) Refuse: Say no to the non-biodegradable wastes such as plastic bags, packaging cans, metal wastes, etc.

(ii) Reduce: Decreasing the wastes by consuming less and throwing less.

(iii) Reuse: Instead of throwing the substances as waste, reuse them wherever possible.

(iv) Recycle: Recycling the wastes whenever necessary and possible.

V. EXEMPLAR QUESTIONS

1. a. What happens to the trees in the forest as more and more recycled paper is used? Why?

The process of recycling protects the environment. Using recycled paper to make new paper reduces the number of trees that are cut down, conserving natural resources.

b. How does recycling of paper help in protecting our environment?

Recycling paper helps to reduce greenhouse gas emissions that can contribute to climate change. Recycling one ton of paper saves 17 trees.

c. What we can do to avoid wastage of paper?

- Write on both sides of a blank paper.
- Avoid printing unnecessary pages.
- Make a new notebook by removing the unused pages from old notebooks and stapling them together.

2. Earthworms are ‘farmer’s friends’? give reasons.

Earthworms dig burrows in soil and make it airy. This helps the roots of plants to respire and it increases the fertility of the soil.

3. Is Kabadiwala (scrap dealer) a ‘friend of the environment’? why?

The kabadiwala is a scrap dealer. He is called as friend of environment because he takes all the waste and keep the environment clean. He generally trades with domestic non-biodegradable waste. He purchases these wastes from our house and sells them to traders for recycling

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