

**Science. Std-IV**  
**L- OUR ENVIRONMENT**

**A. FILL IN THE BLANKS.**



**1. Planting more trees in areas that have very few trees is called \_\_\_\_\_.**

**Ans. Afforestation**

**2. \_\_\_\_\_ and \_\_\_\_\_ are the fuels that cause very less pollution .**

**Ans. C.N.G , L.P.G**

**3. The 4R's principle stands for \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ and \_\_\_\_\_.**

**Ans. Reduce , Reuse , Recycle and Recover**



**4. Vegetable and fruit peels are \_\_\_\_\_ waste .**

**Ans. Biodegradable**

**5. Harmful substances which are capable of polluting air , water and land are called \_\_\_\_\_.**

**Ans. Pollutants**

## **B. WRITE TRUE OR FALSE.**

**1. Deforestation results in soil erosion- True**

**2. Burning of firecrackers does not cause air pollution.  
False**

**3. Aquatic animals do not get sufficient oxygen in polluted water- True**

**4. Plastic bottles and bags should not be thrown in open area- True**

**5. Washing clothes in river and lakes causes water pollution - True**

**C. ANSWER THESE QUESTIONS.**

**Q.1 Define the term deforestation .**



**Ans. Cutting down of trees in large number is known as deforestation .**

**Q.2 List three fuels that cause air pollution.**

**Ans. Petroleum , diesel and coal cause air pollution.**

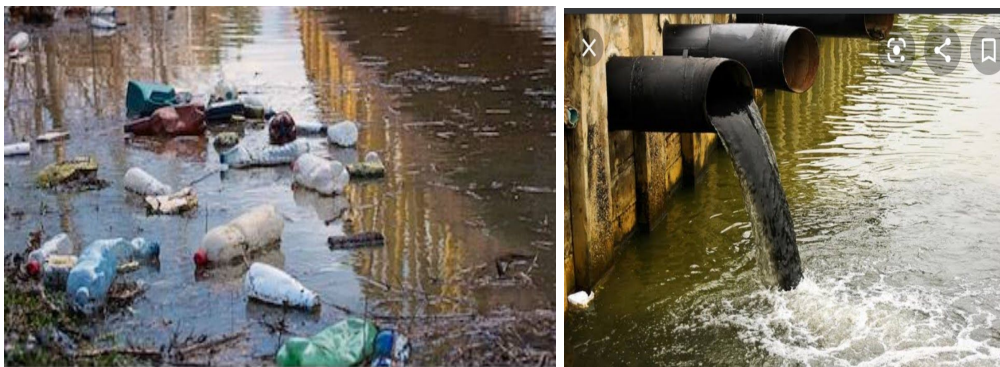
**Q.3. List two harmful effects of land pollution .**



**Ans. The two harmful effects of land pollution are -:**

- \* The chemicals used in agriculture decreases the fertility of soil over a period of time .**
- \* The food items obtained from polluted land often contain harmful chemicals .**

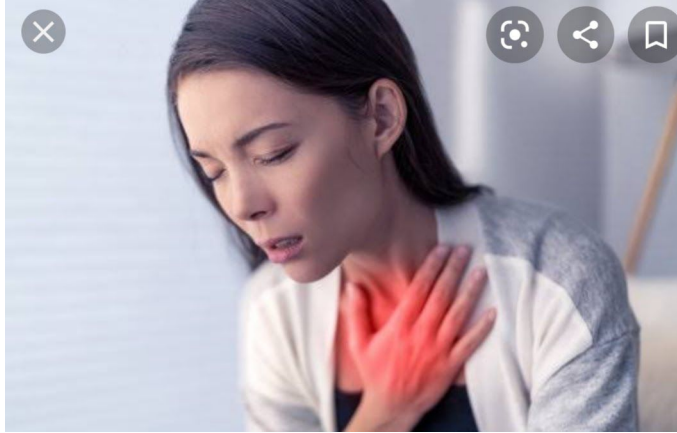
**Q.4 What kind of wastes are thrown in water bodies ?**



**Ans. \* People throw plastic bags, bottles and other household wastes into water bodies.**

**\* Some Industries also release their waste ( harmful substances and poisonous chemicals ) into water bodies.**

**Q5. List two harmful effects of air pollution .**



**Ans. Two harmful effects of air pollution are:-**

- \* It can cause breathing problem and lead to Asthma.**
- \* It can cause irritation to the eyes.**

**Q.6 Differentiate between biodegradable and non-biodegradable wastes . Give examples of each .**



**Ans. BIODEGRADABLE WASTES-**

**\* Wastes that can be decomposed by the action of microbes and mix with the soil are known as biodegradable wastes**

**\* Examples - food remains , wood and paper .**

## **NON- BIODEGRADABLE WASTES.**

**\*Wastes that can not be decomposed by the action of microbes and do not mix with the soil are called non biodegradable wastes.**

**\* Examples - plastic , glass and metal**

**Q.7 Why is the environment important for us ?**

**Ans. Environment is very important for us because our basic needs of food , water , shelter , oxygen and fuel are fulfilled from the environment .**

**Q.8 How can we control air pollution ?List three points .**

**Ans. The three ways to control air pollution are -**

**\* Plant more trees as they help to purify the air around us**

**.**

**\* Vehicles must be fitted with CNG or LPG kits. LPG and CNG produce very less pollutants as compared to petrol and diesel .**

**\* Do not burn any kind of wastes in the open.**

**Q.9 Explain how 4R's principle can help in making our environment clean and safe .**

**Ans. We must follow the 4Rs principle to cut down the amount of waste that pollute the environment .**

**4Rs stands for reduce , reuse , recycle and recover**

**REDUCE** - We should reduce the use of resources which would reduce the waste creation.

**REUSE** - We should reuse the things in different ways rather than throwing them

Eg. A used plastic bottle can be reused for making flower pot .

**RECYCLE** - We should use recyclable things such as paper bags , plastic bottles .These things can be recycled easily to make new products in the industries.

**RECOVER** - We should recover as much as possible from the waste before disposing it into the environment.

**Paste the pictures showing biodegradable and non- biodegradable things.**