



Subject :- Science

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Grade:- 11

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## 15. Biosphere – III

### ❖ Various environmental pollutants and their effects

Discharge of pollutants, which cause deleterious effects on natural environment, is called **environmental pollution.**

1. There are three main types of environmental pollution: soil, water and air pollution. Write down 3 pollutants that affect air pollution.
2. Write down two factors that affect water and soil pollution.
3. According to the labels of the waste disposal bins given in the table, indicate the following trash/wastes in front of the relevant bin where they should be put.

Rice left over in the house

Florescence bulb

An Old plastic cup

The parts left over after cutting  
vegetables

Biscuits pack

Depleted batteries

Empty shoe boxes

Broken pieces of plates

Papers torn from books

The label in the disposal bin	Wastes that can be put into the bin
Disposed bin	
Polythene and plastic	
Paper and cardboard	
Glass and porcelain	
Electronic materials	

4. Name 5 waste materials that cause environmental pollution.
5. What is the greenhouse gas released in the following instances?
  - I. In the case of excessive combustion of fossil fuel - .....
  - II. At the volcanic eruption and combustion of coal - .....
  - III. From Refrigerators and Air Conditioners -.....
6. Name four solid particulate waste materials that is added to the air by different methods.

7. The following are some of the drugs/medicine, disinfectants and antiseptics used in domestic activities. Put them correctly in the table below.

\* Magnesium carbonate      \* Phenol      \* Iodine      \* Alcohol  
\* Chlorine      \* Milk Of Magnesia      \* Boric Acid      \* Surgical spirit

Drugs /Medicine	Disinfectants	Antiseptics

8. Different chemicals (food additives) are added to food. Write down five diseases that caused by food additives.

9. Mention five chemicals used for domestic purposes.

The following figure shows a collection of electronic wastes that are being added increasingly to the environment



10. Mention in the table below the substances that adds to the environment due to the electronic pollutants mentioned in the table below.

Electronic waste product	Substances released
Circuit boards	
Florescent lamps	
Cellular phones	
Light Emitting diodes (LED)	

11. Write two special characteristics of persistent organic pollutants.

The metals with high density and higher relative molecular mass are **called heavy metals.**

12. Name the type of heavy metal that is released to the environment in following instances.

- I. Combustion of lead mixed petrol
- II. Excessive usage of agro chemicals
- III. Discard of damaged thermometers