

Class: 8th
LONG QUESTIONS:

① CHAPTER: 4

1- Describe the adverse effects of Carbon monoxide on human organ system?

Ans: Carbon monoxide affects the human organ system badly and causes headache, brain damage and respiratory problems. When Carbon monoxide reaches our blood, it binds with Haemoglobin and reduces our oxygen-carrying capacity.

2- Explain the following Phenomena and their effects on the environment?

(a) Green house effect:

When sunlight falls on the earth, a small part of it is absorbed by the earth and is converted to heat energy. A part of this heat energy is reflected by the earth back to the atmosphere. Carbon dioxide, methane, oxides of nitrogen, water vapours etc., are present in atmosphere traps a part of the heat reflected by the earth causing increase in the atmospheric temperature and produces a warming effects on the environment.

(2)

(b) Global Warming:

Due to human activities like burning of fuel, etc., greenhouse gases has increased in the atmosphere. The increasing rate of greenhouse effect and ozone depletion is increased the average temperature of earth. As a result, the earth globe is getting warmer. This is called Global Warming.

(c) Acid Rain:

Sulphur dioxide (SO_2) and oxides of Nitrogen are present in air as air pollutants. They get dissolved in water vapors in clouds and turns into acids like Sulphuric acid and nitric acid, which makes the rain water acidic. Acid Rain produces effects on Animals, plants and building as well.

OZONE DEPLETION:

A layer of OZONE (O_3) stops the Ultra-violet rays coming from sun to earth. Chlorofluorocarbons (CFCs) which are used in refrigerators,

(3)

Use spray cans or in air conditioners. On leakage from these appliances, enter in the air and they react with OZONE Layer, and causes thinning of layer. The life span causing serious diseases like skin cancer and eye problems.

3- Suggest ways for proper management of solid wastes?

Ans: Solid Waste Management:

Solid Waste include Plastics, glass items and sewage sludge. They should be managed properly. Land fill, incineration and recycling are methods of solid waste management.

→ Land fill:

Solid wastes are buried in properly designed land fills which are well managed for Hygienic conditions.

→ INCINERATION:

Wastes are burnt at extremely high temperatures.

(4)

→ Re-cycling:

Plastic Items, glass pieces, aluminium and steel cans are collected separately and moulded into new products.

4- What is Deforestation,
Explain its effects on wildlife;

Ans: Deforestation:

Destruction of forests as a result of human activities is called deforestation.

Effects on Wildlife:

→ It destroys the Habitats of Wildlife.

→ Extinction of wildlife is increased.

→ Natural Balance is disturbed.

(X)

Thermal decomposition of calcium carbonate produces a gas:

a. oxygen

b. carbon dioxide

c. nitrogen

d. carbon monoxide