

QUESTIONS

Encircle the correct option.

- (i) Indicate an air pollutant among the following:
- a. oxygen
 - b. nitrogen
 - c. water
 - d. carbon monoxide
- (ii) The gas which is responsible to stop ultraviolet radiation coming from the Sun:
- a. carbon dioxide
 - b. sulphur dioxide
 - c. ozone
 - d. nitrogen
- (iii) Which of the following is not a greenhouse gas?
- a. Methane
 - b. Carbon dioxide
 - c. Sulphur dioxide
 - d. Water
- (iv) The pollutants which are mainly responsible for ozone depletion are:
- a. oxides of carbon
 - b. oxides of sulphur
 - c. oxides of nitrogen
 - d. chlorofluorocarbons
- (v) Identify the chemicals which cause the rain to become acidic:
- a. oxides of carbon and dust particles
 - b. oxides of sulphur and nitrogen
 - c. solid particles of carbon and lead
 - d. chlorofluorocarbons.
- (vi) Reason for increase in the amount of carbon dioxide in air:
- a. plantation
 - b. deforestation
 - c. using CFC-free products
 - d. recycling of materials
- (vii) Which air pollutant when attaches itself with haemoglobin, reduces its oxygen carrying capacity?
- a. Carbon dioxide
 - b. Sulphur dioxide
 - c. Oxides of nitrogen
 - d. Carbon monoxide
- (viii) The phenomenon which does not lead to global warming:
- a. greenhouse effect
 - b. ozone depletion
 - c. deforestation
 - d. photosynthesis
- (ix) Glass and styrofoam are the examples of:
- a. biodegradable materials
 - b. non-biodegradable materials
 - c. harmful products
 - d. air pollutants

(x) The amount of which greenhouse gas can you reasonably control?

a. Oxides of nitrogen

b. Water vapours

c. Methane

d. Carbon dioxide

Chapter # 4 (Science - 8th)

Pollutants and their effects on environment

• Write short answers.

(i) What are the main air pollutants?

Ans: → Carbon monoxide (CO)
→ Sulphur dioxide (SO_2)
→ Oxides of Nitrogen (NO and NO_2)
→ Chlorofluorocarbons (CFCs)

(ii) Name Greenhouse gases?

Ans: Carbon dioxide, methane, oxides of nitrogen, Water vapours.

(iii) Name the acids which are present in the acid rain?

Ans: • Sulphuric acid (H_2SO_4)
Nitric acid (HNO_3)

(iv) Ozone layer is important. Why?

Ans: Because it stops the ultraviolet radiations (UV) coming from sun to the earth.

(v) 3R strategies stand for what?

Ans: (3)R strategies i.e., **Reduce-Reuse-Recycle** can be adopted for conservation of resources.

(vi) Write down the names of three such products which can be recycled.

Ans: → Plastic bottles and polythene bags
→ Steel cans
→ Copper wires

(vii) Name common methods which are used for solid waste management?

Ans: → Land fill
→ Incineration
→ Recycling

(viii) How does ozone depletion contribute towards global warming?

Ans: Through the thin ozone layer, ultraviolet rays of the sun pass and reach the earth where these ultraviolet rays (UV) also increase the temperature of earth.

(ix) Sulphur dioxide is an important pollutant. From where does it enter the atmosphere?

Ans: → Burning of Coal or oil in factories
→ Smoke released from thermal power stations also contains Sulphur dioxide.