ATMOSPHERIC POLLUTION WORKSHEET - 2

SpeedLabs
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"An Innovative Practice Methodology by IITians."

1. Multiple choice questions:

- What is responsible for the depletion of ozone?

  (a) Acid rain (b) Chlorofluorocarbons

  (c) Excess carbon dioxide (d) Sulphur dioxide

- What can be done to increase soil fertility?

  (a) By crop rotation with leguminous plants

  (b) By following shifting cultivation

  (c) By allowing grazing of grasslands

  (d) By planting trees

- Following gas is mainly responsible for 'acid rains'.

  (a) SO_2 (b) Cl_2

  (c) CO_2 (d) O_3

- Greenhouse effect is mainly due to increase in concentration of

  (a) CO (b) NO_2 & SO_2

  (c) CO_2 (d) O_3

2. Write true or false:

(a) Industries are the chief sources of air pollution.

(b) CO gas is the most active air pollutant.

(c) The most stable environment occurs in oceans.

(d) Pollution and pollutant is one and the same thing.

(e) Cattle dung is used in biogas or gobar gas plants.

3. How can air pollution be controlled?

4. (a) What is greenhouse effect? Explain how global warming takes place in the presence of greenhouse gases.

(b) State two natural and two man-made sources of the greenhouse gas-methane.

5. What is the best option to reduce greenhouse gases by use of fuels better than fossil fuels?

6. What is the role of catalytic converter in vehicles?

7. Explain how ozone is formed in stratosphere. State how CFCs breaks ozone in the stratosphere.

8. What is meant by the term "acid rain". Give any two impacts of acid rain and also give method of preventing it.

9. (a) Why in an unpolluted atmosphere the rain water is slightly acidic?

(b) Give balanced equation for the formation of sulfuric acid in acid rain, when a fossil fuel is burnt in an electric power station.

10. Write the impact of ozone layer depletion and also give the prevention of ozone layer.