

CHEMISTRY

BOOKS - MAXIMUM PUBLICATION

ENVIRONMENTAL CHEMISTRY

Example

1. The greatest affinity for haemoglobin is shown by which of the following; (NO , CO , O_2 , CO_2 .)

A. NO

B. CO

C. O_2

D. CO_2

Answer: B



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2. London smog is _____ in nature.



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3. Addition of phosphate fertilizers into water leads to a) Increased growth of decomposers
b) Reduced algal growth c) Increased algal growth d) Nutrient enrichment

A. Increased growth of decomposers

B. Reduced algal growth

C. Increased algal growth

D. Nutrient enrichment

Answer: D



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4. Which of the following is a viable particulate? Algae, Smoke, Mist, Fumes

A. Algae

B. Smoke

C. Mist

D. Fumes

Answer: A



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5. Which of the following is not a greenhouse gas?

A. CO_2

B. CH_4

C. O_2

D. Water vapour

Answer: C



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6. Methyl isocyanate is prepared by the action of _____ on methyl amine



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7. In a photo chemical smog the gas that causes eye irritation is _____ .

A. CO_2

B. CH_4

C. PAN

D. Acrolein

Answer: C



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8. Super sonic jet planes can contribute to zone depletion by introduction of the gas _____ straight to the stratosphere



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9. The difference between the amounts of dissolved oxygen in a sample of water saturated with oxygen and that after incubation for a period of 5 days is known as.



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10. Excess of nitrate ions in drinking water causes.



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11. Write the equation for the combustion of ethane.



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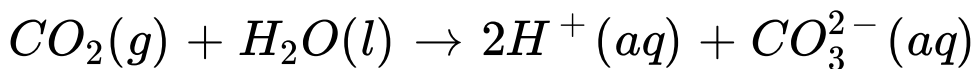
12. Write the three common pollutants.



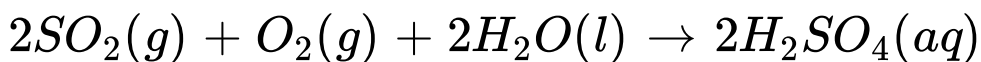
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13. Three equations are given below. After studying it, write about Acid rain.

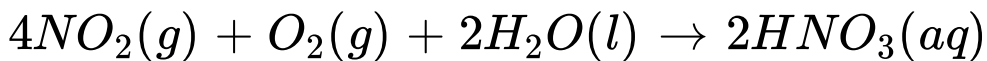
(1)



(2)



(3)



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14. Marble of Taj Mahal reacts with acid rain.

What is its result?



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15. Why usage of chlorofluorocarbons being discouraged? Or Explain ozone layer depletion?



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16. What is meant by BOD?



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17. a) How we can control air pollution?

b) How does the soil pollution occur?



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18. What do you mean by greenhouse effect?



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19. What do you mean by global warming?



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20. Give two examples in which green chemistry has been applied.



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21. Oxygen play a key role in the troposphere while ozone in the stratosphere.



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22. No new industries are allowed in thickly populated cities by Government order. Why such an order is issued?



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23. Discuss the importance of dissolved oxygen in water.



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24. Define environmental chemistry.



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25. Explain tropospheric pollution.



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26. Which gases are responsible for greenhouse effect? List some of them.



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27. A large number of fish are suddenly found floating dead on a lake. There is no evidence of toxic dumping but you find an abundance of phytoplankton. Suggest a reason for the fish kill.



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28. How can domestic waste be used as manure?





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29. For your agriculture field or garden, you have developed a compost producing pit. Discuss the process in the light of bad odour, flies and recycling of wastes for a good produce.



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30. Fish grow in cold water as well as in warm water.

a) Do you agree? What is the reason?



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31. Write the mechanism of formation of photochemical smog.



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32. What is meant by eutrophication?



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33. a) Acid rain causes extensive damage to vegetation and aquatic life.

i) What do you mean by acid rain?



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34. Statues and monuments in India such as Tajmahal are affected by acid rain. How?



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35. a) Write three major consequences of air pollution.



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36. Carbon monoxide gas is more dangerous than carbon dioxide gas. Why?



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37. Classify the following pollutants :

(a) Carbon monoxide (CO) (b) Detergents

(c) Plastic (d) DDT (e) Sewage (f) Cigarette
smoke



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38. As a result of stratospheric pollution the ozone layer is destructed.

Write a harmful effect of ozone layer depletion.





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39. a) What is smog?



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40. Use of DDT pollutes the environment. Justify.



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41. a) What is meant by the green house effect?

b) Explain what is meant by green house gases.



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42. When the pH of the rain water drops below 5.6 it is called acid rain.

a) What are the major compounds responsible for acid rain?





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43. Two important oxides of carbon are carbon monoxide and carbon dioxide.

a) How is CO_2 responsible for global warming?



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44. Ozone in the stratosphere is produced by the help of ultraviolet radiations. It protects us from harmful ultraviolet radiations.

a) Write equation for the formation of ozone in stratosphere.



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45. Particulate pollutants are the minute solid particles or liquid droplets in air.

a) Suggest two examples for non-viable particulate pollutants.



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46. a) Write any two differences between classical smog and photochemical smog.



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47. Pollution of water originates mainly from human activities.

How do chemical pollutants cause eutrophication?



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48. Suppose that your teacher asks you to conduct a seminar on ozone depletion. Give any three harmful effects of ozone depletion that you would present in the seminar.



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49. There are international standards regarding drinking water. Write any three among them.



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50. a) Carbon monoxide is one of the most serious air pollutants. How does it pollute the atmosphere?



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51. The Taj Mahal in India has been affected by 'acid rain'. Explain the causes and harmful effects of acid rain.



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52. 'Smog' is the most common example of air pollution.

a) The smog that occurs in cool humid climate is called smog.

b) Explain the cause of 'Greenhouse effect'.



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53. Write any two contribution of green chemistry in day to day life.



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54. The phenomenon of global warming is due to greenhouse effect.

a) What is greenhouse effect?

b) What are the consequences of greenhouse effect?



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55. Environmental pollution is the effect of undesiral changes in surroundings that have harmful effect on plants, animals and human

beings.

a) Explain the adverse effect of global warming.

b) Choose the one which is not a component of photochemical smog.

i) NO_2 ii) O_3 iii) SO_2



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