



CHEMISTRY

BOOKS - A N EXCEL PUBLICATION

ENVIRONMENTAL CHEMISTRY

Question Bank

1. Define environmental chemistry.



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



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



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



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5. What is meant by BOD?



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6. What are pesticides and herbicides ? Explain using examples.



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7. What would have happened if green house gases were totally missing in the atmosphere ?



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8. 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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9. How can domestic waste be used as manure?



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10. 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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11. What do you mean by ozone hole ?What are its consequences ?



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12. Atmospheric pollution increases the global average temperature and the phenomenon is called global average and the phenomenon is called global warming.

What are the major gases which contribute towards global warming ?



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13. Atmospheric pollution increases the global average temperature and the phenomenon is

called global average and the phenomenon is called global warming.

What can we do to reduce global warming ?



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



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16. Organic matter such as leaves, grass, etc are major pollutants in air.

How do organic pollutants affect aquatic life ?



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17. Organic matter such as leaves, grass, etc are major pollutants in air.

What is biochemical oxygen demand (BOD) ?



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18. 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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19. Ozone in the stratosphere is produced by the help of uv radiations. It protects us from harmful uv radiations.

Explain with chemical equation, the destruction of ozone by chlorofluorocarbons causing ozone hole



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

Write any two adverse effects of photochemical smog.



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



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23. How Green chemistry is useful in bleaching of paper.



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24. Pollution of water originates mainly from human activities.

What do you mean by the term PCB ?



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25. Pollution of water originates mainly from human activities.

How do chemical pollutants cause eutrophication?



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26. Pollution of water originates mainly from human activities.

Mention the adverse effects of high fluoride concentration in drinking water.



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



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



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30. Match the following:

A	B
CFC's	Blue baby syndrome
Oxides of nitrogen	Kidney damage
Cadmium	Eutrophication
Nitrates	Ozone depletion
	Red haze in the traffic



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



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