



## BIOLOGY

**BOOKS - VGS PUBLICATION-BRILLIANT**

**NOT FOR DRINKING NOT FOR  
BREATHING**

### Exercise

1. How does air pollution lead to water pollution?



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2. What steps can be taken up to control air pollution and water pollution? ( AS 1)



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3. Why does the increased level of nutrients in the water affect the survival of aquatic organisms?



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4. Road side plants cannot grow properly. Find your own reasons and explain with your argument.



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5. Sudheer is a traffic constable. What do you think about his health? Give some suggestions to protect his health during duty period.



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6. Write a short note on the effects of water pollution in your village suggest precautions.



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7. Visit a pollution check centre. Observe the process of conducting a pollution check and record your findings. You may consider the following areas for your record.

The process of testing, permissible limits of emission of various pollutants.





8. Organize a field visit to a pond / lake / river present in or near to your village with the help of your teachers. ( AS 4) Observations followed by discussion could focus on... The history of the pond or lake or river, Water resources available other than that river/ pond/ or lake, Cultural traditions, Pollution concerns, Source of pollution, Effects of pollution on the people living by the river side as well as those living far away





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**9.** What is air pollution ? Make a flow chart to describe its causes and effects.



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**10.** Clear and transparent water is always suitable for drinking. Comment.



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**11.** If our monument like Tajmahal is effected by air pollution, what is your advce protect it?



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**12.** Reshma going to talk about controlling measures of soil pollution. Please prepare write up for her. ( AS 6)



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**13.** To conduct a quiz program on air and water pollution, prepare five thought provoking questions.



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**14.** Use Bicycle - Avoid motor bikes and cars'. This slogan is prepared by Sravani. Prepare some more slogans on pollution.



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**15.** If you are a general manager of a chemical industry what precautions would you take to control air and water pollution?



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**16.** How to minimize the usage of paper in daily life?



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**17.** If a person burnt out tires or dried leaves at a particular place, where shall the smoke and ash goes?



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**18.** Why do we feel cooler after sweating ?



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**19.** When we go on a busy road, feel uneasy even when we close nose with a napkin.

If these symptoms will continue, what happens?



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**20.** Do you find any relation between pH and hardness of water?



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21. Which water sample is colourless?



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22. Which water sample is suitable for drinking and why ?



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23. Do you find any change in colour and smell of water in some water samples? What are

your reasons?



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**24.** Which water sample of your collection is basic in nature ?



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**25.** Are there any visible pollutants in the water sample ?



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**26.** What will happen if harmful organisms or substances enter your body? How do you feel?



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**27.** Observe this pollution certificate, try to find out the answers for following questions.

Which department issues the pollution under control certificate?



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**28.** Observe this pollution certificate, try to find out the answers for following questions.

For how much time is it valid?



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**29.** Observe this pollution certificate, try to find out the answers for following questions.

For which type of vehicle has it been issued?



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**30.** Observe this pollution certificate, try to find out the answers for following questions.

What is emission test? What components are tested in the pollution check up center?



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**31.** Observe this pollution certificate, try to find out the answers for following questions.

What will happen if carbon monoxide and



hydrocarbons readings are higher than the permissible limit readings.



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**32.** Why there is a need of pollution under control certificate?



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**33.** Observe this pollution certificate, try to find out the answers for following questions.

Which department issues the pollution under control certificate?



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**34.** Observe this pollution certificate, try to find out the answers for following questions.

For how much time is it valid?



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**35.** Observe this pollution certificate, try to find out the answers for following questions.

For which type of vehicle has it been issued?



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**36.** What is emission test?



**Watch Video Solution**

**37.** Observe this pollution certificate, try to find out the answers for following questions.

What is emission test? What components are tested in the pollution check up center?



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**38.** What will happen if harmful organisms or substances enter your body? How do you feel?



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**39.** What is the effect of rapid increase in the number of vehicles?



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**40.** What is pollution ?



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**41.** When do all the living organisms with in the environment will be healthy and thriving?





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**42.** Name the diseases caused by air pollution.



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**43.** What do our elders talk about the environment?



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**44.** What is our environment made up of ?



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**45.** Name some substances which impact the health of our earth.



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**46.** What are the four major gases in the air?



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**47.** Which is the essential element for survival of all living organisms?



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**48.** How is carbon dioxide important?



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**49.** What is air pollution ? Make a flow chart to describe its causes and effects.



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**50.** What are pollutants?



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**51.** Name the main pollutants in the atmosphere.



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**52.** Name the natural disasters in the world.



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**53.** What is the problem with airborne pollutants?



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**54.** What pollutants are released by forest fires ?



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**55.** What gas is released from decay of organic matter ?



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**56.** What gas is released from decay of organic matter lying under water ?



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**57.** How do pollen grains pollute the air?



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**58.** What gases are produced by burning fuels ?



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**59.** What gases are emitted by vehicles?



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**60.** How should we maintain natural resources  
?



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**61.** Name various industries that pollute the air.



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**62.** How local people are suffering living near Parawada and Krishnapatnam Thermal Power Plants ?



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**63.** What are the problems face by the people living near the granite factory?



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**64.** How are Nuclear power plants dangerous ?



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**65.** What are melt downs ?



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**66.** How do power plants release power ?



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**67.** How do Nuclear power plants produce power?



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**68.** How agriculture pollutes land and water?





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**69.** What is the result of deforestation ?



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**70.** If forests reduce what would happen?



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**71.** In which devices chloro fluoro carbons are used ?



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**72.** How is mining cause pollution ?



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**73.** Why do currently cars and buses not allowed to drive to the Taj Mahal ?



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74. What did the Archeological department of India declared towards Taj Mahal?



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75. What is the unforgettable tragedy of Bhopal?



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76. What is the reason for the tragedy of Bhopal?



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77. What are the effects by air pollution?



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78. How affects the air pollution?



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**79.** How to reduce air pollution from industries ?



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**80.** How to reduce pollution from vehicles?



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**81.** What is Vanamahotsav ?





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**82.** Name one of the most polluted area in India.



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**83.** How are the villages badly affected by pollution ?



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**84.** What is water pollution?



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**85.** What is the character of normal water ?



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**86.** How Musi river got polluted ?



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**87.** What is definite source of pollution?



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**88.** What are biodegradable wastes?



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**89.** How do plant nutrients pollute water?



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**90.** How is heat polluting water?



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**91.** How is water polluted by sediment?



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**92.** What is eutrophication?



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**93.** How is fluorine hazardous substance to ground water?



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**94.** What are 4R's principles ?



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**95.** Heat can be a source of pollution? How does It affect the aquatic life?



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**96.** "It is much better to worship Ganesh Idol made of clay than Idol of Plaster of Paris" . - Said Kavitha How do you support her ? How do you appreciate her attitude ?



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**97.** Prepare some slogans which create awareness among people on air pollution.



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**98.** What are the industries that cause water pollution ?



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**99.** The pollution check will be done for every

A. 4 months

B. 5 months

C. 6 months

D. 1 year

**Answer:**



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**100.** The amount of oxygen in the atmosphere is \_\_\_\_%.

A. 0.12

B. 0.13

C. 0.14

D. 0.15

**Answer:**



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**101.** Decay of organic matter releases ---gas into the air

A. Nitrogen

B. Ammonia

C. Carbondioxide

D. None

**Answer:**



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**102.** Thermal power plants of parawada is in

A. Vijayanagaram

B. Vijayawada

C. Visakhapatnam

D. Macharia

**Answer:**



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**103.** The power generates by using uranium is called

A. Hydro electric power

B. Thermal power

C. Nuclear power

D. None



**Answer:**



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**104.** The unforgettable tragedy towards air pollution in Bhopal took place in the year

A. 1981

B. 1982

C. 1983

D. 1984

**Answer:**



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**105.** The industrial waste contains a large number of harmful

A. plants

B. animals

C. chemicals

D. microorganisms

**Answer:**



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**106.** Pollutants emitted by thermal power plants causes this disease\_\_\_\_\_

- A. Bronchitis
- B. Lung cancer
- C. Suffocation
- D. All of the above

**Answer:**



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**107.** Example for secondary pollutant

A. PAN

B. Chlorine

C. Lead

D. Ammonia

**Answer:**



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**108.** The Taj Mahal is situated on the banks of river

A. Ganga

B. Yamuna

C. Brahmaputhra

D. Kaveri

**Answer:**



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**109.** The percentage of forests on earth is

A. 0.19

B. 0.2

C. 0.25

D. 0.31

**Answer:**



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**110.** Sources of CFCs are

A. AC

B. Refrigerator

C. Jet planes

D. All the above

**Answer:**



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111. "Vanamahotsav' is-conducted in this month

A. June

B. July

C. August

D. February

**Answer:**



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**112.** This is an eco-friendly fuel

A. Coal

B. Diesel

C. Petrol

D. CNG

**Answer:**



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**113.** The cause for 'eutrophication'

A. Nitrates and phosphates

B. Pesticides

C. Chemicals

D. Metals

**Answer:**



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114. Ozone layer is being destroyed by

A. CFCS

B. Chlorine

C.  $CO_2$

D.  $NO_2$

**Answer:**



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115. Acid rain is due to this \_\_\_\_\_

A.  $CO_2$  AND  $NO_2$

B.  $NO_2$  AND  $SO_2$

C. Hg and Cd

D. Hc

**Answer:**



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**116.** SPM can be reduced by installation of this

-----

A. Electrostatic precipitator (ESP)

B. FILTERS

C. Cooling Towers

D. None

**Answer:**



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117. This gas is responsible for "Bhopal Gas Tragedy".

A. Methane

B. ETHENE

C. Methyl Isocyanate

D. Acetylene

**Answer:**



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**118.** The petrol now we are using in our cars is \_\_\_\_\_ free.

A. Hg

B. Pb

C. Zn

D. Ra

**Answer:**



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**119.** Chernobyl disaster happened in \_\_\_\_ country.

A. USA

B. Iran

C. Iraq

D. Russia

**Answer:**



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**120.** The most polluted river in Hyderabad is

A. Manjeera

B. Godavari

C. Krishna

D. Moosi

**Answer:**



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**121.** A drop of engine oil can pollute liters of water.

A. 20

B. 25

C. 30

D. 45

**Answer:**



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122. Sinks of carbondioxide .

A. Rivers

B. Water falls

C. Seas

D. Soil

**Answer:**



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123. Global warming is due to----- in atmosphere

A.  $CO_2$

B. Water vapour

C.  $NO_2$

D. Both A and B

**Answer:**



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124. This pollutant tarnishes silver objects and blackens lead paintings\_\_\_\_\_

A.  $SO_2$

B.  $NO_2$

C. PAN

D. Hydrogen sulphide

**Answer:**



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**125. Expand - PAN**

A. Peroxy Acetyl Nitrate

B. Peroxy Acetyl Nitrite

C. Peroxy Accute Nitrates

D. Peroxy Acetylene Nitride

**Answer:**



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**126.** This gas is released by incomplete burning of fuels in motor vehicles

A.  $CO_2$

B.  $NO_2$

C.  $CO$

D.  $SO_2$

**Answer:**



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127. If blue litmus is turned into red in water, water is

A. Acidic

B. Basic

C. Neutral

D. None

**Answer:**



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**128.** The following one is a natural cause for air pollution

- A. Volcanic eruption
- B. Forest fire
- C. Automobile emissions
- D. Both A and B

**Answer:**



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