



CHEMISTRY

BOOKS - BHARATI BHAWAN

CHEMISTRY (HINGLISH)

NATURAL RESOURCES

Pick The Correct Option

1. Which one of the following reduces the penetration of ultraviolet radiation into the

earth's surface ?

A. Methane

B. Helium

C. Carbon dioxide

D. Ozone

Answer: D



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2. The excess of carbon dioxide in air causes

A. fog

B. smog

C. global warming

D. acid rain

Answer: C



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3. The region of water on the surface of the earth is called the

A. lithosphere

B. hydrosphere

C. ocean

D. stratosphere

Answer: B



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4. The amount of which salt in the sea is the highest ?

A. Calcium fluoride

B. Calcium chloride

C. Sodium chloride

D. Sodium fluoride

Answer: C



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5. The presence of water in the human body regulates

A. body temperature

B. blood pressure

C. respiration

D. perspiration

Answer: A



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6. The removal of the top layers of the soil by wind is called

A. aeration

B. erosion

C. nutrition

D. spores

Answer: B



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7. Sudden change in the temperature of water in the river harms

A. man

B. cattle

C. plants

D. fishes

Answer: D



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8. The top layer of the earth's surface over which plants are grown is called

A. humus

B. rock

C. soil

D. regolith

Answer: C



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Fill In The Blanks

1. The spaces between the particles of the soil are filled with



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2. Soil provides for the growth of plants .



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3. keeps the earth warm



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4. The substances that cause pollution are called _____ \



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5. The strongly moving air is called



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6. is formed when condensation of water vapour occurs in the lower region of the atmosphere.



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7. The mixture of fog and smoke is called



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8. The process of converting free..... of the atmosphere into compound of nitrogen is called



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Mark The Sentences True T Or False F

1. The ozone layer in the atmosphere absorbs



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2. Excessive use of chemical fertilizers reduces soil fertility in the long run .



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3. Assertion: Wet air is heavier than dry air.

Reason: The density of the dry air is more than density of water.



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4. Sea breeze and land breeze occur in the coastal areas.



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5. Condensation of water vapour in the air leads to the formation of ice.



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6. Monsoon is a seasonal wind flowing in a fixed direction in a particular season.



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7. The substances that cause pollution are called poisons.



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8. Nitrogen comprises 21% of the earth's atmosphere .



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Very Short Answer Questions

1. Which materials can be included in the category of natural resources ?



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2. Can you call air a natural resources?



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3. Is air essential for the survival of man ?



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4. Which gas is thrown out during our exhalation ?



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5. Name the gas which can produce the greenhouse effect .



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6. What is soil? How does it form?



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7. Name any one factor which decides the fertility of soil.



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8. What is denitrification?



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Short Answer Questions

1. (a) What is a natural resource ? Name three important natural resources.

(b) Why do we need to manage our natural resources ?



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2. Mention any two functions of air which are directly related to the health of living organisms .



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3. Give any two disadvantages of the presence of excess carbon dioxide in air.



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4. What is the composition of soil?



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5. Mention a method by which fertility of soil may be improved.



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6. Why is water essential for life?



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7. What is soil? How does it form?



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8. What are the important factors that determines the fertility of soil?



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9. What are the biogenic nutrients?



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10. What is nitrogen fixation?



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Long Answer Questions

1. Write a note on the greenhouse effect .



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2. What is the ozone hole? How was it formed?

What is being done to control it?



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3. What are the causes of water pollution?

Discuss how you can contribute in reducing water pollution.



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4. What do you understand by management and conservation of natural resources ?



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5. How is soil formed?



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6. Natural resources should be used judiciously'. Explain the statement .



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7. Mention any three human activities that lead to water pollution .



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8. Define nitrogen fixation . Discuss one process by which nitrogen is fixed .



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9. What are the different stages that water has to go through during the water cycle ?



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10. Give reason : Temperature variations on the moon are very abnormal.



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11. Why do people love to fly kites near the sea shore?



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12. Justify 'Dust is a Pollutant'.



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A Objective Questions I Match

1. Match the terms given in column A with those given in column B.



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ii Fill In The Blanks

1., water and are natural resources

.



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2. The gaseous envelope surrounding the earth is called



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3. Green plants absorb in the presence of to make their food



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4. Sea water is



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5. Global warming is caused by the excessive presence of in air.



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6. of water from water bodies followed by causes rainfall.



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7. The black material deposited over the soil is called



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8. Water regulates body temperature through

.....



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iii Write Yes Or No

1. Is the presence of carbon dioxide necessary in the atmosphere ?



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2. Can the process of photosynthesis occur if plants and trees are kept out of contact with sunlight ?



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3. Is rainwater natural distilled water ?



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4. Does blood carry dissolved food material to the cells in our body ?



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5. Does crop rotation increase the fertility of the soil ?



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6. Is excess of carbon dioxide an air-pollutant ?



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7. Do dead animals and plants provide minerals to the soil ?



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8. Does the presence of ozone layer in the outer atmosphere cause rainfall ?



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9. Can we call ozone an air-pollutant ?



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Iv Mark The Statements True T Or False F

1. Freons released from air- conditioners rise up in air and interact with the ozone layer .



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2. The infrared radiations hit the earth with higher energy , and get reflected back with lower energy .



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3. During the night , air moving from land to sea is called sea breeze.



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4. In a dam , the surface water is at higher temperature than the water deep within the dam .



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5. Animals are not at all dependent upon the soil to obtain their food .



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6. Trees act as soil binders.



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7. The circulation of the essential nutrients between living and non-living components of the biosphere is termed as :



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V Multiple Choice Questions Pick The Correct Option S

1. Which of the following does not (do not) contribute to the formation of soil ?

A. Wind

B. Sun

C. Polythene

D. Snow

Answer: C



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2. What kind of pollution is produced when some undesirable materials are added to water bodies or some desirable materials are taken away from them ?

A. Air pollution

B. Water pollution

C. Soil pollution

D. Noise pollution

Answer: B



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3. One of the following processes is not a step involved in the water cycle operating in nature

- A. Evaporation
- B. Rainfall
- C. Photosynthesis
- D. Condensation

Answer: C



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4. Which of the following substances is a (are) greenhouse gas(es) ?

A. Carbon dioxide

B. Ammonia

C. Methane

D. Sulphur dioxide

Answer: A::C



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5. Which of the following processes does (do) not participate in the carbon cycle ?

A. Photosynthesis

B. Respiration

C. Osmosis

D. Diffusion

Answer: C



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6. Which of the following are involved in the condensation of water vapour leading to the formation of clouds ?

A. Temperature

B. Dust particles

C. Carbon dioxide

D. Ozone layer

Answer: A::B



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7. In the atmosphere , a balance is maintained in the proportions of oxygen , nitrogen and carbon dioxide . This is due to

- A. the presence of air
- B. the presence of greenhouse gases
- C. cycling of these gases
- D. none of these

Answer: C



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8. What percentage of the earth's surface is covered by land ?

A. 80 %

B. 25 %

C. 75 %

D. 21 %

Answer: B



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9. Which of the following processes does (do) return oxygen to the atmosphere ?

A. Osmosis

B. Burning of petrol

C. Photosynthesis

D. Diffusion

Answer: C



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B Very Short Answer Questions

1. What is humus? What are its function?



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2. What are the micronutrients required by the plants ?



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3. What does a fertile soil contain ?



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4. How does humus increase the fertility of the soil ?



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5. What would happen, if all the oxygen present in the environment is converted to

ozone ?



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6. Is the presence of water necessary for the biological fixation of nitrogen ?



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7. Given the names of some abnormal climatic situations that are now being felt on the earth

.



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8. What is top soil?



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9. What is sleet?



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10. What are the pollutants produced by the burning of petrol ?



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11. What are freshwater fishes ?



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12. What is the air moving horizontally called ?



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13. How are nutrients present in our food absorbed by our body ?



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14. How does the unrestricted growth of weeds in water bodies affect the aquatic animals ?



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15. What will happen when rainfall occurs in the region without vegetational cover ?



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16. What is a mixture of sand, silt and clay called ?



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C Short Answer Questions

1. Name any one method by which water helps in the formaton of soil.



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2. What is ozone hole ? Where was it first located ?



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3. "The conservation of water is necesaary , even though there are vast resources of water

in the form of oceans. " Comment.



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4. Main cause of soil erosion is



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5. Suggest two ways to prevent soil erosion .



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6. How can we prevent the loss of top soil?



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7. Discuss some natural air-pollutants .



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8. How is soil formed?



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9. What will happen if there is no existence of atmosphere around the earth ?



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D Long Answer Questions

1. (a) What is a natural resource ? Name three important natural resources.

(b) Why do we need to manage our natural resources ?



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2. What do you mean by environment ? What are the components of an environment ?



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3. Describe in brief some of the uses of air on the earth .



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4. What is greenhouse effect? Given the names of two greenhouse gases .



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5. What is air pollution? How is air pollution caused by human activities ?



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6. Describe in brief the importance of water in human life .



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7. Causes of water pollution are



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8. How is soil formed ? Describe different types of soil .



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9. In coastal area, wind current moves from the sea towards the land during day, but during night it moves from land to the sea. Discuss the reason.



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10. What are fossil fuels? How do they cause air pollution ?





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11. Draw an outline to show the carbon cycle in nature .



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12. Crossword Puzzle

Solve the crossword puzzle according to the guidelines given in the table below.



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