

WORKSHEET3

Natural Resources

Q 1 a) What is symbiosis? b) Name a symbiotic life form.

Q 2 Sulphur dioxide and nitrogen dioxide gases react with the water vapour present in air. What are the products formed by this reaction? What is this process known as and what are its effects?

Q 3 (i) How is the earth's atmosphere different from that of Venus and Mars.

(ii) Mention any two human activities responsible for causing air pollution.

Q 4 Both UV-A and UV-B reach earth after passing through the ozone layer. But, as ozone layer is getting depleted, which of the two rays will be more harmful to earth and why?

Q 5 Smog is a serious problem in many countries and continues to harm human health. Justify.

Q 6 What are the various methods to control pollution?

Q 7 Describe the nitrogen cycle.

Q 8 Describe the process which results in rain.

Q 9 Describe the effects of the air pollution.

Q 10 a) 'Greenhouse effect is the cause and global warming and climate change are the consequences', justify the statement.

b) Mention the cause of green house effect.

Q 11 a) Mention two ways by which water helps in formation of soil. b) Explain oxygen cycle in nature with diagram.

Q 12 a) Mention two ways of mode of fixation of CO₂ b) Mention three ways by which carbon returns to the C cycle.

Q 13 a) What are biogeochemical cycles? b) Explain water or hydrological cycle in the nature with diagram.

Q 14 With the help of a labelled diagram, a) show nitrogen cycle in nature. b) list four steps involved in the cycling of N₂ in the environment.

Q 15 a) With the help of a labelled diagram, show the cycling of carbon in nature.

b) What are the two ways in which carbon dioxide is fixed in the environment?

Q 16 (a) Name three processes through which oxygen is used from the atmosphere and one process through which oxygen is returned to the atmosphere. (b) Mention three ways by which carbon returns to the C cycle.

Q 17 (a) What is nitrogen fixation? Explain with the help of a diagram. (b) Explain water cycle in nature.

Q 18 (i) Apart from natural calamities like floods, human beings are also responsible for causing soil erosion. Discuss various activities of humans that lead to soil erosion. (ii) Mention one biotic and abiotic factor that contributes in the formation of soil.

Q 19 (i) With help of a labelled diagram, show nitrogen cycle in nature.

(ii) Describe briefly any two processes involved in the cycling of nitrogen in the atmosphere.

Q 20 (i) How does the movement of air bring about changes in the atmosphere? (ii) What are the various factors that influence winds?