



**INDIAN SCHOOL DARSAIT**  
**DEPARTMENT OF SCIENCE**



Subject : BIOLOGY      Topic : Natural Resources (Biogeochemical Cycles)      Date of Worksheet :  
08-01-2018

Resource Person: Mrs. S. SUBHAJA NANDAKUMAR

Date : \_\_\_\_\_

Name of the Student : \_\_\_\_\_

Class & Division : IX Div \_\_

Roll Number : \_\_\_\_\_

1. Name the organisms responsible for biological nitrogen fixation. 1
2. 'Decomposer have a vital role in biogeochemical cycles'. Justify this statement. 1
3. Define biogeochemical cycles? 1
4. Name the only process by which oxygen is formed. 1
5. How does plants help in precipitation? 1
6. How cycling of nutrients takes place in the atmosphere? 1
7. Draw a diagram showing the carbon cycle in nature. 2
8. Why is CO<sub>2</sub> so important for life on earth? What are the two ways by which it is fixed on earth? 2
9. Explain oxygen cycle in nature. 2
10. What is the function of ozone in the atmosphere? How is ozone depleted? 2
11. Does cultivation of legumes improve soil fertility? How? 2
12. List the ways by which carbon dioxide concentration increase in the atmosphere. 3
13. How does the atmosphere act as a protective blanket? Mention the harmful effects of ultraviolet rays? 3
14. How are Green house gases involved in Green House Effect? 3
15. Describe water cycle and the importance of water for life. 3
16. Explain nitrogen cycle in nature with the help of a diagram. 5