

National Institute of Open Schooling
Lesson 10- Nitrogen Metabolism
Worksheet-10

1. Why is molecular nitrogen not very reactive? Give reasons.
2. Do you think that lightening storms is an important event with regards of nitrogen fixation?
3. "Nitrogen is a stable molecule." Justified this statement.
4. Nitrogen fixation is the conversion of atmospheric nitrogen into ammonia." Explain this statement in brief.
5. What will be the effect of excessive ammonium on the synthesis of NO_3 reduction?
6. Which process of the nitrogen fixation would be affected in the absence of the enzyme nitrate reductase?
7. How leg hemoglobin is produced. Explain the process in brief.
8. Discuss the role of α -ketoglutamic acid during amino acid synthesis in plants?
9. Which part of the plant cell does not take part for conversion of nitrate into ammonia? Explain
10. What happen when abiological nitrogen fixation occurs in nature? Explain in brief.