

National Institute of Open Schooling
Lesson 12- Respiration in Plants
Worksheet-12

1. Which form of respiration shall be affected if the mitochondria present in the cell get degenerated? Why?
2. Do you think seeds can be used for respiration experiments pre soaked in water?
3. What happens during leavening of flour? Explain in brief.
4. Following prolonged exercise muscles start paining. Give reason to explain.
5. What happens to the electron transport chain, during respiration?
6. What will happen to pyruvic acid in a plant cell in the following conditions?
 - (a) If oxygen is present in the cells.
 - (b) If Oxygen is absent in the cells.
7. How is the energy required for conversion of ADP to ATP released in the Electron Transport Chain during aerobic respiration?
8. Set up an experiment to demonstrate anaerobic respiration in germinating seeds. Provide explanations for the procedural steps and results obtained.
9. Plants give out O₂ during day time but CO₂ at night. Why? Explain.
10. Why do plants not have any special respiratory organs like animals? Give two reasons.