



BIOLOGY

NCERT - NCERT BIOLOGY(ENGLISH)

RESPIRATION IN PLANTS

Exercise

1. Differentiate between

(a) Respiration and Combustion

(b) Glycolysis and Krebs' cycle

(c) Aerobic respiration and Fermentation



View Text Solution

2. What are respiratory substrates? Name the most common respiratory substrate.



Watch Video Solution

3. Give the schematic representation of glycolysis?



[View Text Solution](#)

4. What are the main steps in aerobic respiration? Where does it take place?



[Watch Video Solution](#)

5. Give the schematic representation of an overall view of Krebs cycle.



[View Text Solution](#)

6. ELECTRON TRANSPORT SYSTEM (ETS) AND OXIDATIVE PHOSPHORYLATION

 [View Text Solution](#)

7. Distinguish between the following:

(a) Aerobic respiration and Anaerobic respiration

(b) Glycolysis and Fermentation

(c) Glycolysis and Citric acid Cycle

 [View Text Solution](#)

8. What are the assumptions made during the calculation of net gain of ATP?



View Text Solution

9. Discuss “The respiratory pathway is an amphibolic pathway.”



View Text Solution

10. Define RQ. What is its value for fats?



[Watch Video Solution](#)

11. What is oxidative phosphorylation?



[Watch Video Solution](#)

12. What is the significance of step-wise release of energy in respiration?



[View Text Solution](#)