



BIOLOGY

BOOKS - PSEB

RESPIRATION IN PLANTS

Exercise

1. Differentiate between respiration and combustion



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2. Differentiate between: Glycolysis and Krebs' cycle



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3. Differentiate between: Aerobic respiration and Fermentation



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



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5. Give the schematic representation of glycolysis?



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6. What is aerobic respiration?



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7. Give the schematic representation of an overall view of Krebs' cycle.



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8. Explain ETS.



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9. Distinguish between the following: Aerobic respiration and Anaerobic respiration



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10. Distinguish between the following:
Glycolysis and Fermentation



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11. Distinguish between the following:
Glycolysis and Citric acid Cycle



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



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13. Discuss ‘The respiratory pathway is an amphibolic pathway.’



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



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15. What is oxidative phosphorylation?



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



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