



BIOLOGY

BOOKS - SUPER COMPANION 5 IN 1

RESPIRATION IN PLANTS

One Mark Questions And Answers

1. Name the site of glycolysis.



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2. How many molecules of ATP are formed for every molecule of glucose during aerobic respiration ?



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3. What is the RQ value for carbohydrates ?



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4. What is the RQ value for organic acids ?



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5. Name the compound that reacts with Acetyl CoA to form Citric acid during Krebs's cycle.



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6. What is Pasteur's effect ?



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7. Define Respiratory quotient.



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8. In which cell organelle Krebs's cycle occurs ?



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9. Name the phase which is common for both aerobic and anaerobic respiration ?



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10. What are respiratory substrates ? Name the most respiratory substrate.



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Two Marks Questions And Answers

1. Define aerobic cellular respiration ?



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2. What is fermentation ? Given the equation for alcoholic fermentation .

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3. Define respiratory quotient. Given the RQ value of carbohydrates.

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





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5. What is oxidative phosphorylation?



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6. Differentiate aerobic cellular respiration from anaerobic cellular respiration.



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1. Give the schematic representation of glycolysis?



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



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



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4. Explain ETS.



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5. Discuss 'The respiratory pathway is an amphibolic pathway.'



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6. Give the schematic representation of glycolysis?



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7. Give the schematic representation of Kreb's cycle with its preparatory reaction ?



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8. Describe the mechanism of fermentation in the presence of yeast and lactic acid bacteria ?



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