



# BIOLOGY

## BOOKS - CBSE COMPLEMENTARY MATERIAL BIOLOGY (HINGLISH)

### RESPIRATION IN PLANTS

#### Very Short Answer Questions

1. How many ATP molecules are produced from a molecule of glucose on its complete oxidation

in eukaryotes ?



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2. Where does ETC found in eukaryotic cell ?



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3. Name the enzyme which convert sugar into glucose and fructose.



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4. How many molecules of ATP are produced by the oxidation of one molecule of  $FADH_2$  ?



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5. Why do the person with sufficient white fibres get fatigued in a short period ?



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6. Write the name of end product of glycolysis.



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7. Name the first product formed in Kreb's cycle.



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8. Define the term 'Respiratory substrate'.



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9. Which intermediate undergoes lysis in glycolysis ?

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10. Write the other two names of Krebs cycle.

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11. Name the acceptor molecule of Krebs cycle.

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**12.** Name the substrate entrant of Krebs cycle.



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**13.** What is Electron Transport Chain ? (ETC).



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**Short Answer Questions I**

1. Mention two steps of glycolysis in which ATP is utilised.



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## Short Answer Questions Ii

1. Pyruvic acid is the end product of glycolysis. What are the three metabolic fates of pyruvic acid under aerobic and anaerobic conditions ?



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2. Exapnd ETC., ETS and TCA.



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