

Class: 11
Subject: Biology
Topic: Respiration in plants
No. of Questions: 25

- Q1. What is respiration?
- Q2. Give two types of cellular respiration.
- Q3. How many carbon atoms are present in the molecule of each of : (i) Glucose and (ii) Pyruvate?
- Q4. Give difference between Breathing and Respiration?
- Q5. Define aerobic respiration?
- Q6. What is compensation point?
- Q7. Write the significance of citric acid cycle.
- Q8. Explain fermentation.
- Q9. Give the various steps involved in Glycolysis.
- Q10. What are the other two names for kreb's cycle?
- Q11. In which organelle does kreb's cycle occur in living cells?
- Q12. Mention the conditions under which (i) RQ is 1 (ii) R.Q is less than 1
- Q13. Why less energy is produced during anaerobic respiration?

- Q14. What is the function of phosphofructokinase in glycolysis?
- Q15. Explain Respiratory Balance sheet.
- Q16. What is the significance of stepwise release of energy in respiration?
- Q17. Explain ETS.
- Q18. Define fermentation and aerobic respiration.
- Q19. Name the energy currency of the cells.
- Q20. Define RQ.
- Q21. What is the importance of F_0-F_1 particles in ATP production during aerobic Respiration?
- Q22. What is oxidative decarboxylation? What happens to pyruvate immediately after this reaction?
- Q23. Describe the mechanism of Respiration
- Q24. Describe the process and role of citric acid cycle in living organisms.
- Q25. What is the RQ value for fats?