

One-Word Answer Questions

1. The site of light reaction in chloroplast —
2. The site of dark reaction in chloroplast — Stroma
3. The primary pigment involved in photosynthesis —
4. The process of splitting water during photosynthesis —
5. The oxygen released in photosynthesis comes from —
6. The first stable product of Calvin cycle —
7. The enzyme fixing CO_2 in the Calvin cycle —
8. The full form of RuBP —
9. The first stable compound in C_4 plants —
10. The site of CO_2 fixation in C_4 plants —
11. The site of Calvin cycle in C_4 plants —
12. The reducing power generated in light reaction —
13. The phase using ATP and NADPH —
14. The color of light most effective in photosynthesis —
15. The scientist who discovered the Photolysis —
16. The process of ATP formation in chloroplasts —
17. The type of photophosphorylation that produces both ATP and NADPH —
18. The type of photophosphorylation that produces only ATP —
19. The element essential for photolysis of water —

20. The number of molecules of ATP required to fix one molecule of CO_2 —
21. The photosystem active in cyclic photophosphorylation —
22. The photosystem that splits water — Photosystem II
23. The compound that accepts CO_2 in C_4 plants —
24. The enzyme catalyzing CO_2 fixation in C_4 plants —
25. The phase where CO_2 is fixed —
26. The phase where PGA is reduced to form sugar —
27. The coenzyme that acts as hydrogen acceptor — NADP^+
28. The scientist who traced the path of carbon in photosynthesis —
29. The name of the cycle in C_4 plants — Hatch–Slack pathway
30. The site of light absorption —