

Photosynthesis

1. What does the word 'photosynthesis' mean?

2. What are the reactants (the things that the plant needs) for photosynthesis? _____

3. What are the products (the things that come out) of photosynthesis?

4. Where does photosynthesis happen? _____

5. What organelle is involved in photosynthesis? _____

6. What pigment is involved in photosynthesis? _____

7. How can you tell that plants contain this pigment? _____

8. Does photosynthesis happen at night? Explain

9. What time of day is the maximum rate of photosynthesis? Why?

10. What time of year is the maximum rate of photosynthesis? Why?

11. What are the formulae for carbon dioxide and water? _____

12. What are the formulae for glucose and oxygen? _____

13. What is the word equation for photosynthesis?

14. What is the balanced symbol equation for photosynthesis?

15. What is 'rate' of photosynthesis? _____

16. What factors can increase the rate of photosynthesis?

17. During what conditions will photosynthesis NOT occur? _____

18. Which type of cell does photosynthesis occur in? _____

19. Which other types of cells are involved in photosynthesis? Explain how..._____

20. What happens to the glucose produced in photosynthesis?

21. What are polymers made of glucose called? _____

22. Where is this found in plants? _____

23. What are two important features of this polymer?

24. How are stomata involved in photosynthesis?

25. What features of leaves make them ideal for gas exchange?

26. Which sections of the leaf are involved in gas exchange?
