



# Photosynthesis

1 What is photosynthesis and why do plants do it?

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.....

[ 2 marks ]

2 Write the word equation and chemical equation for photosynthesis

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.....

[ 4 marks ]

3 Name the organ, cell and subcellular structure where most photosynthesis takes place

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.....

[ 3 marks ]

4 To carry out photosynthesis the plant requires water and carbon dioxide. Where does it get these these from?

1) Water .....

.....  
2) Carbon dioxide .....

.....  
.....

[ 4 marks ]

5 The aim of photosynthesis is to make glucose. Two uses of glucose are making starch and cellulose. How are they similar and how are they used?

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.....  
.....  
.....

[ 4 marks ]

6 Name two other uses of glucose

- 1) .....
- 2) .....

[ 2 marks ]

7 Photosynthesis is an endothermic reaction. Explain what this means

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[ 1 mark ]

8 Name the pigment that absorbs the light for photosynthesis

.....

[ 1 mark ]

9 How are leaves adapted to carry out photosynthesis?

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.....  
.....  
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[ 3 marks ]

[ Total 24 marks ]