

B8- photosynthesis	Answer
1. What is the scientific name for how plants make their food?	photosynthesis
2. What are the two reactants for photosynthesis? (things the plant takes in)	Carbon dioxide water
3. What are the two products of photosynthesis? (things the plant makes)	Glucose oxygen
4. Where do plants get their energy from to make their food?	sun
5. What is the word equation for photosynthesis?	Carbon dioxide + water \rightarrow glucose + oxygen
6. From where do plants get their water?	They absorb it from the soil through their roots.
7. From where do plants get the carbon dioxide?	The air
8. Where do plants get their energy from to make their food?	The sun
9. Which part of a plant cell absorbs sunlight?	Chloroplasts. They contain a green pigment called chlorophyll.
10. Which part of a plant makes the glucose?	leaf
11. Why are leaves very broad and flat?	To absorb as much light as possible
12. Why do leaves have lots of veins?	To provide the leaves with plenty of water.
13. Why are there air spaces in between the cells of leaves?	To allow gases to move in and out?
14. What are the tiny holes on the underneath of leaves called?	stomata
15. What is the job of the stomata?	To allow gases (carbon dioxide and oxygen) to move in and out of the leaf.
16. Give 3 reasons why a plant needs food.	<ol style="list-style-type: none"> 1. For respiration to release energy 2. To make proteins for growth 3. To store it as starch in seeds and bulbs
17. Which three factors may limit photosynthesis	<ol style="list-style-type: none"> 1. The amount of light 2. The amount of carbon dioxide 3. The temperature
18. Why do the graphs for light and carbon dioxide level off?	Something other than the named factor is limiting photosynthesis
19. Why does the graph for temperature go down if the temperature gets too high?	The enzymes which play an important role in photosynthesis become denatured in the heat.