Photosynthesis quiz

Select the correct answer from the text below each question:

1. Animals have to eat other things to get their food but plants can make it themselves. Plants are known as '_____'.

directors greens producers chefs

2. During photosynthesis plants take carbon dioxide from the air and water from the soil and convert it into…

glucose and oxygen honey amino acids acid rain

3. Which of the following is NOT needed in order for photosynthesis to take place…

chlorophyll glucose water carbon dioxide light energy

4. Which of the following is NOT a product of photosynthesis…

carbon dioxide glucose oxygen

5. In order for the photosynthesis to take place energy in the form of _____ is required.

wind light electricity sound

6. Photosynthesis takes place mainly in the leaves, although it can occur in any cells than contain…

glucose a vacuole chlorophyll

7. Glucose can be converted into _____ and stored (the _____ can later be turned back into glucose and used in respiration).

starch DNA fudge chlorophyll

8. _____ is a product of photosynthesis (some is used inside the plant for respiration but most is not needed and is given out as a waste product).

carbon dioxide water oxygen light

9. The cells in the _____ contain no chloroplasts and are transparent to allow light to penetrate into the leaf.

palisade mesophyll upper epidermis spongy mesophyll palisade mesophyll

10. The _____ cells are packed tightly together near the top of the leaf to collect as much sunlight as possible. They contain many chloroplasts and most photosynthesis takes place in these cells.

upper epidermis spongy mesophyll palisade mesophyll lower epidermis

11. The _____ cells contain air spaces to allow the movement of gases (i.e. carbon dioxide and oxygen) throughout the leaf.

upper epidermis spongy mesophyll palisade mesophyll lower epidermis

Use the "Photosynthesis: bounce quiz" at the eChalk website to help you answer these questions.

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12. The _____ help to regulate the movement of gases into and out of the leaf. They also help to control the loss of water vapour (transpiration).

palisade mesophyll upper epidermis spongy mesophyll guard cells

13. The stomata are found in the _____. Besides the guard cells the cells in this layer contain no chloroplasts.

guard cells lower epidermis palisade mesophyll upper epidermis

14. The green chemical required for photosynthesis is…

snotium 90 chloroform emerald chlorophyll

15. Name the green structures found in mesophyll cells that contain chlorophyll.

chloroplasts chlorines chloroform grass

16. The plural of stoma is:

stomato stomata tomato stomas

17. Which of the following is a waste product of respiration…

helium oxygen carbon dioxide

18. Plants respire all the time but only photosynthesise during…

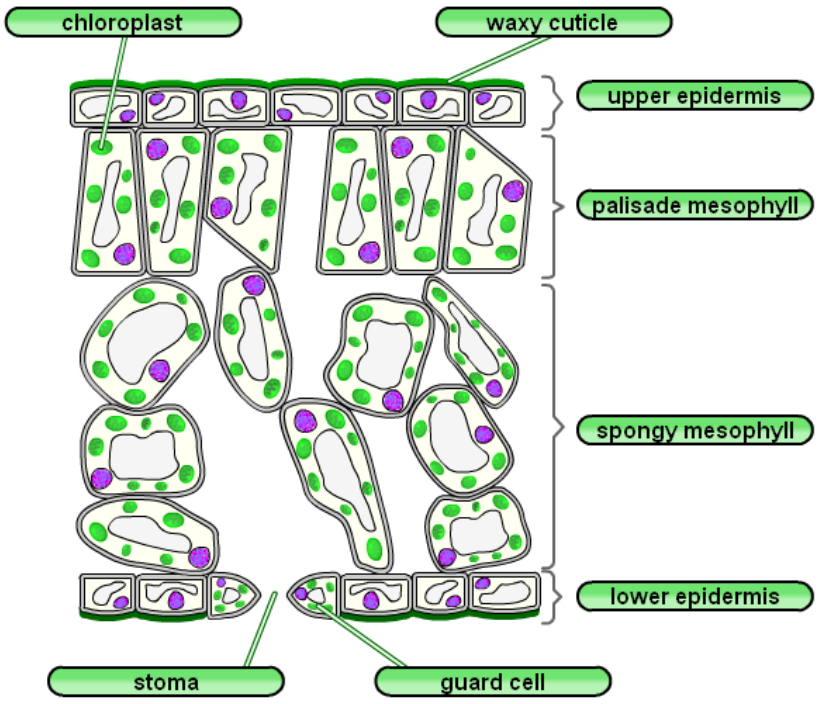
the night the day bank holidays

19. Even though plants only photosynthesise when it is light, on the whole, they are still net producers of …

carbon dioxide syrup oxygen

20. Which of the following does not affect the rate of photosynthesis…

carbon dioxide concentration light intensity oxygen concentration temperature



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(Answers) Photosynthesis quiz

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