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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