



Photosynthesis in a Crossword

Complete the crossword below.

The crossword puzzle grid consists of 11 numbered starting points for words:

- 1:** Down, 4 squares, starting at the top right.
- 2:** Down, 5 squares, starting at the top left.
- 3:** Down, 7 squares, starting at the top center.
- 4:** Across, 10 squares, starting at the top left.
- 5:** Down, 6 squares, starting in the middle left.
- 6:** Down, 5 squares, starting in the middle right.
- 7:** Across, 5 squares, starting in the middle left.
- 8:** Down, 4 squares, starting in the middle right.
- 9:** Across, 10 squares, starting in the bottom middle.
- 10:** Down, 6 squares, starting in the bottom right.
- 11:** Across, 4 squares, starting at the bottom left.



Across

4. The process mostly takes place in the _____ of plant leaf mesophyll cells.
7. Only _____ plants can photosynthesize.
9. All living things depend on the organic molecules synthesised by plants as a result of _____.
11. The vascular tissue in plants that conducts water and dissolved nutrients upward from the root and also helps to form the woody element in the stem

Down

1. Many plants stop photosynthesis during the _____ and survive off food reserves produced during the spring and summer.
2. Plants produce this while sugar is made of this.
3. Great for plants but bad for us!
5. Plants wouldn't have been green without this!
6. Apart from plants, photosynthesis occurs only in single-celled _____ and protists.
8. If plants didn't produce this, we would have been dead by now!
10. If we breathe through stomata, plants breathe through these.



Answer:

1 w
i
n
2 g
3 c
4 t h l o r o p l a s t s
u
c
o
s
5 c
6 b
7 g r e e n
h
d
8 o
a
l
i
x
c
9 p h o t o s y n t h e 10 s i s
r
x
g
e
t
o
p
i
d
e
n
r
i
a
y
11 x y l e m
l
a