

The clue issisehtnysotohP

Methodology

- ❖ Class divided two groups.
- ❖ Students study syllabus to see what is needed
- ❖ Students highlight key words
- ❖ Students make up clues for the key words as answers (homework)
- ❖ Clues refined by the two groups in class
- ❖ Clues put into a crossword planner ([www. Puzzlemaker.com](http://www.Puzzlemaker.com))
- ❖ Two cloze tests were also produced and used as class assessments

What the students thought

- ❖ Surprised at how enjoyable this topic turned out to be
- ❖ Thought the cloze tests were fair and do-able

AIM:

To teach photosynthesis - a topic perceived as difficult by students

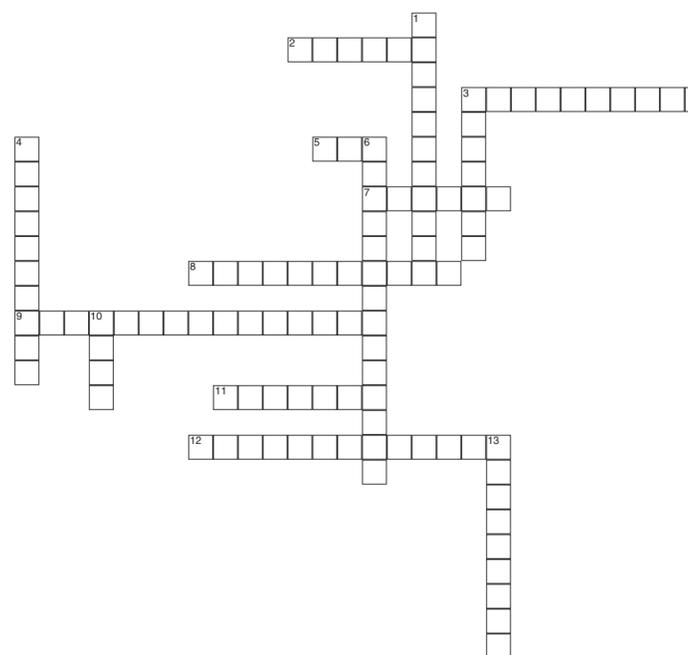
Photosynthesis Crossword

Clues Across

2. The dark stage takes place in the _____ of the chloroplast.
3. The splitting of water using light.
5. Supplies energy to cells by breaking them down into ADP.
7. The end products of the light stage are ATP, NADPH and _____
8. A cluster of chloroplast pigments in the granum of a plant.
9. The process by which phosphate is added to a molecule of ADP.
11. NADPH supplies protons and electrons for the formation of _____.
12. Obtained by the plant from the atmosphere or from respiration to be used in photosynthesis.

Clues Down

1. Another name for the Dark Stage of photosynthesis.
3. Chlorophyll - the pig (mentally challenged) wouldn't eat its greens.
4. Organisms that can make their own food.
6. Process by which glucose and oxygen are made from carbon dioxide.
10. Ph Buffer used in the experiment to investigate the influence of light intensity on the rate of photosynthesis.
13. Energy transferred to these when passed from the pigments to the chlorophyll in the reaction centre.



Learning

- ❖ Students realised exactly what they needed to know
- ❖ Students learned to read questions very carefully
- ❖ Students learned to design questions
- ❖ English and IT skills improved
- ❖ Students became aware of exam style and could deal with it

Conclusion and follow up

- ❖ Success!
- ❖ The production (rather than the doing) of a crossword seemed to be the key
- ❖ The present Fifth Years are carrying out the same idea with the topic 'respiration'.