

Photosynthesis & Cellular Respiration

****Make sure to put a dash
between two word answers.****

Name: _____

Date: _____

Period: _____

The crossword puzzle grid consists of 17 numbered starting points for words:

- 1: Vertical word starting at the top center.
- 2: Vertical word starting at the top right.
- 3: Horizontal word starting below the center.
- 4: Vertical word starting on the right side.
- 5: Vertical word starting on the far right.
- 6: Vertical word starting on the left side.
- 7: Vertical word starting on the left side.
- 8: Horizontal word starting on the left side.
- 9: Vertical word starting in the center.
- 10: Vertical word starting on the right side.
- 11: Vertical word starting on the right side.
- 12: Horizontal word starting on the left side.
- 13: Horizontal word starting on the far left.
- 14: Horizontal word starting in the center.
- 15: Horizontal word starting on the right side.
- 16: Horizontal word starting on the left side.
- 17: Horizontal word starting at the bottom center.

Across

3. The type of cellular respiration that makes 34 ATP.
8. Uses food (glucose) and oxygen to make energy (ATP).
12. This is made during photosynthesis and can be either used in cellular respiration or released for our benefit.
13. The number of enzymes used in ALL of cellular respiration.
14. The number of molecules of carbon dioxide and water USED in photosynthesis.
15. 36 molecules of these are made during ALL of cellular respiration.
16. The cell parts that control the process of cellular respiration.
17. The cell part that controls photosynthesis.

Down

1. The type of fermentation that produces a burning sensation in muscles during exercise.
2. Only one molecule of this is MADE during photosynthesis, and then it is used in cellular respiration.
4. The type of fermentation that produces alcohol and carbon dioxide.
5. The green pigment found in the chloroplast that is present during photosynthesis.
6. Another name for anaerobic cellular respiration.
7. The type of cell that photosynthesis occurs in.
9. The type of cellular respiration that does NOT use oxygen.
10. Uses the sunlight, carbon dioxide, and water to make food for a plant.
11. Plants can survive without animals because they _____ the carbon dioxide and water made in cellular respiration to make more food in photosynthesis.

17 of 17 words were placed into the puzzle.

Created by [Puzzlemaker](#) at [DiscoveryEducation.com](#)



Plant-cell The type of cell that photosynthesis occurs in.

Chloroplast The cell part that controls photosynthesis.

Photosynthesis Uses the sunlight, carbon dioxide, and water to make food for a plant.

Glucose Only one molecule of this is MADE during photosynthesis, and then it is used in cellular respiration.

Six The number of molecules of carbon dioxide and water USED in photosynthesis.

Oxygen This is made during photosynthesis and can be either used in cellular respiration or released for our benefit.

Chlorophyll The green pigment found in the chloroplast that is present during photosynthesis.

Mitochondria The cell parts that control the process of cellular respiration.

Cellular-Respiration Uses food (glucose) and oxygen to make energy (ATP).

ATP 36 molecules of these are made during ALL of cellular respiration.

Twenty-Eight The number of enzymes used in ALL of cellular respiration.

Recycle Plants can survive without animals because they _____ the carbon dioxide and water made in cellular respiration to make more food in photosynthesis.

Anaerobic The type of cellular respiration that does NOT use oxygen.

Aerobic The type of cellular respiration that makes 34 ATP.