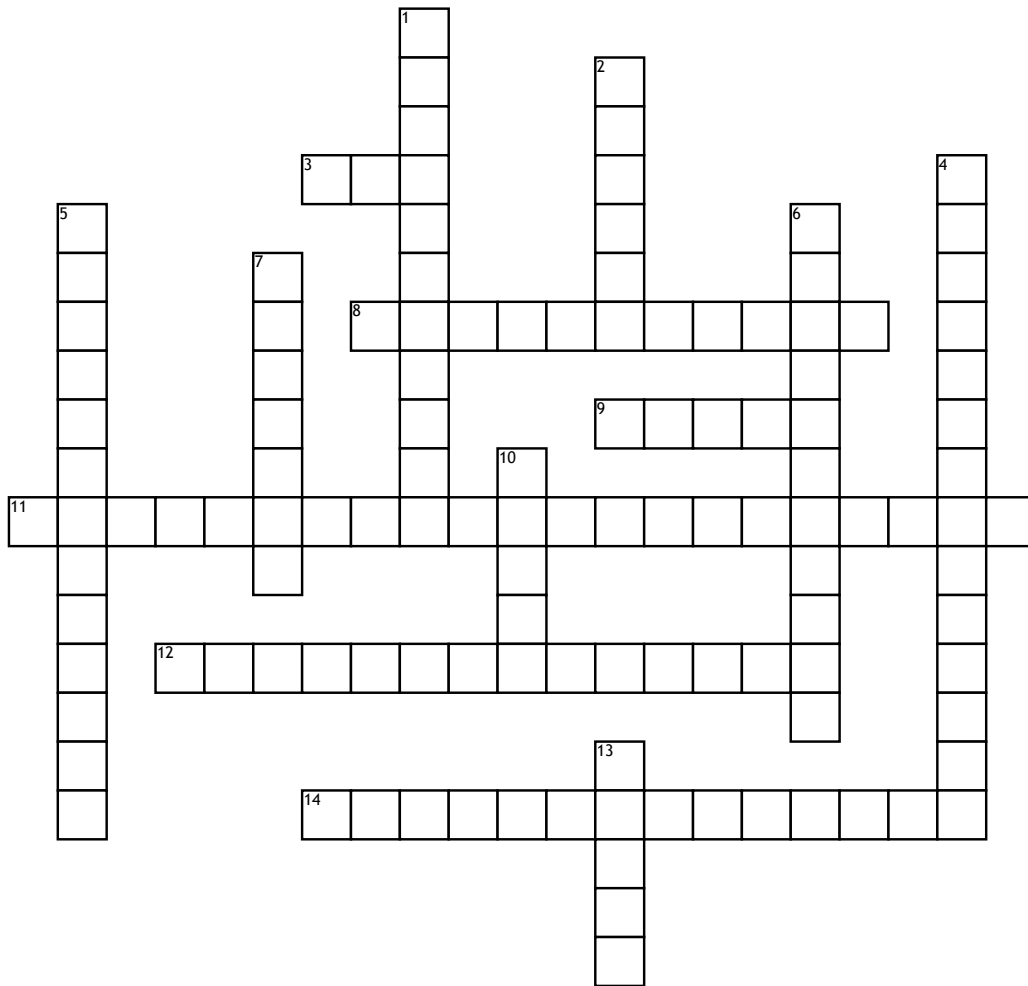


Photosynthesis Review



Across

- 3. Once ATP is used in the Calvin cycle, it becomes ____ to be used in the light-dependent reaction.
- 8. The name of the second part of photosynthesis.
- 9. What molecule is split into hydrogen ions, electrons, and oxygen gas?
- 11. An energy-storing molecule called ATP.
- 12. The process by which plants convert carbon dioxide, water and sunlight into food and oxygen.

- 14. Sunlight energy, along with carbon dioxide and water, is converted into

Down

- 1. A factor that affects photosynthesis.
- 2. A product of the light-dependent reaction from the splitting of water.
- 4. Another factor that can affect photosynthesis.
- 5. A reactant needed to make carbohydrates in the Calvin cycle.

- 6. The organelle that photosynthesis takes place in.
- 7. What is the name of the sugar produced in photosynthesis?
- 10. The wavelength of color that plants do not absorb.
- 13. Another energy-storing molecule, besides ATP, that is produced during the light-dependent.

Word Bank

- | | | | |
|-----------------|------------------------|-------------|-----------------|
| chemical energy | adenosine triphosphate | water | light intensity |
| Calvin cycle | green | chloroplast | glucose |
| ADP | temperature | NADPH | oxygen |
| Photosynthesis | carbon dioxide | | |