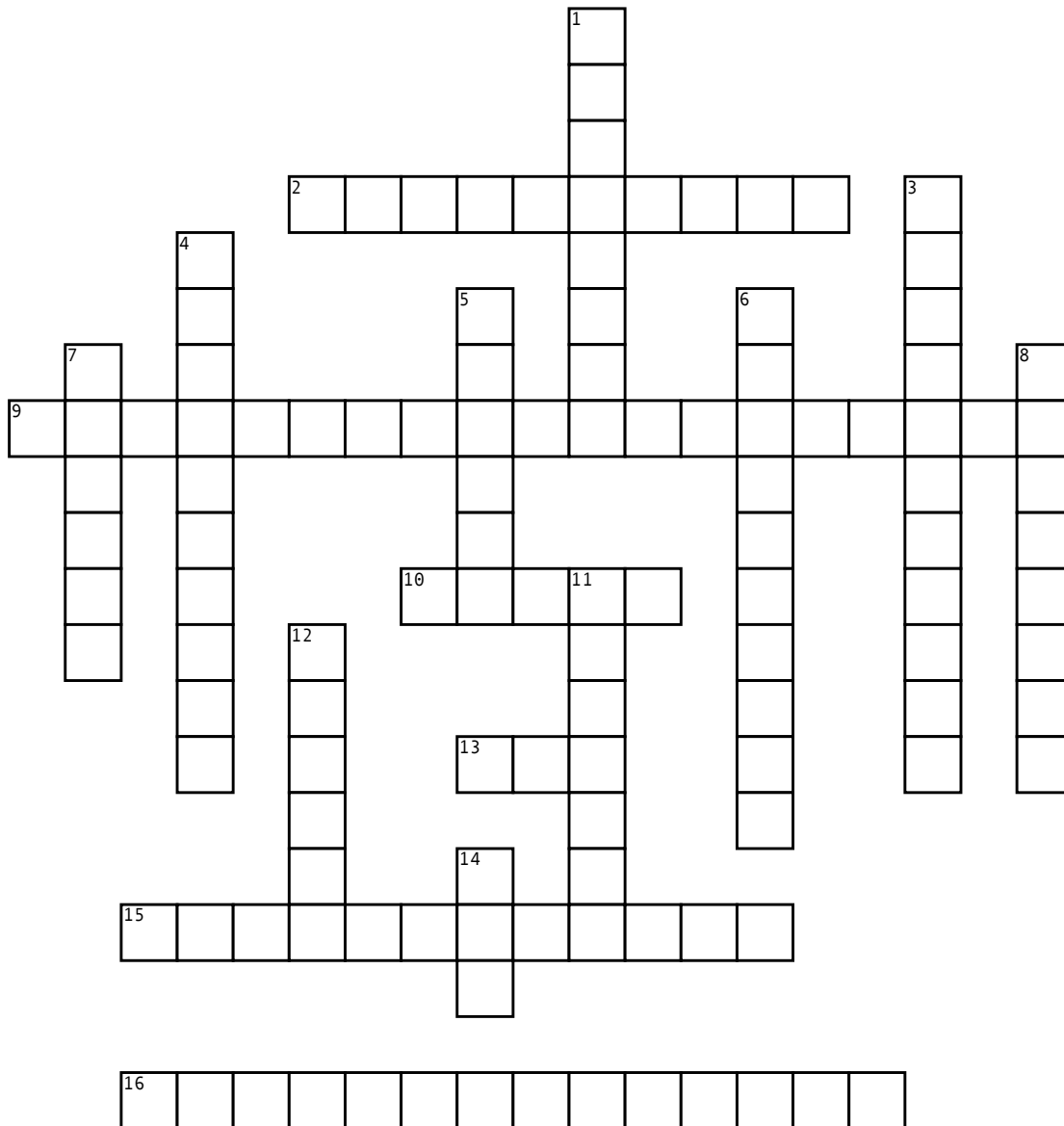


# Photosynthesis



**Across**

- 2. The breakdown of glucose by enzymes
- 9. A set of metabolic reactions and processes that take place in the cells of organism to convert biochemical energy to nutrients to ATP
- 10. A cofactor used in anabolic reactions
- 13. Carbon fixation in some plants as an adaptation to arid conditions.
- 15. A metabolic process that converts sugars to acids.

- 16. The process by which plants, some bacteria and some Protistants use use energy from sunlight to produce sugar.

**Down**

- 1. The light dependent reaction and preliminary fixation of CO<sub>2</sub> into a molecule
- 3. A series of biochemical redox reactions that take place in a stroma.
- 4. Each number of flattened sacs inside a chloroplast.
- 5. The supportive tissue of a chloroplast.

- 6. A cycle of enzymes catalyzed reactions in living cells.
- 7. Requiring air or oxygen for life
- 8. Lack of oxygen
- 11. The natural coloring matter of an animal or plant
- 12. A Stacked membranous structure within the chloroplast.
- 14. The high energy molecule that store energy we need to do just about everything we do.