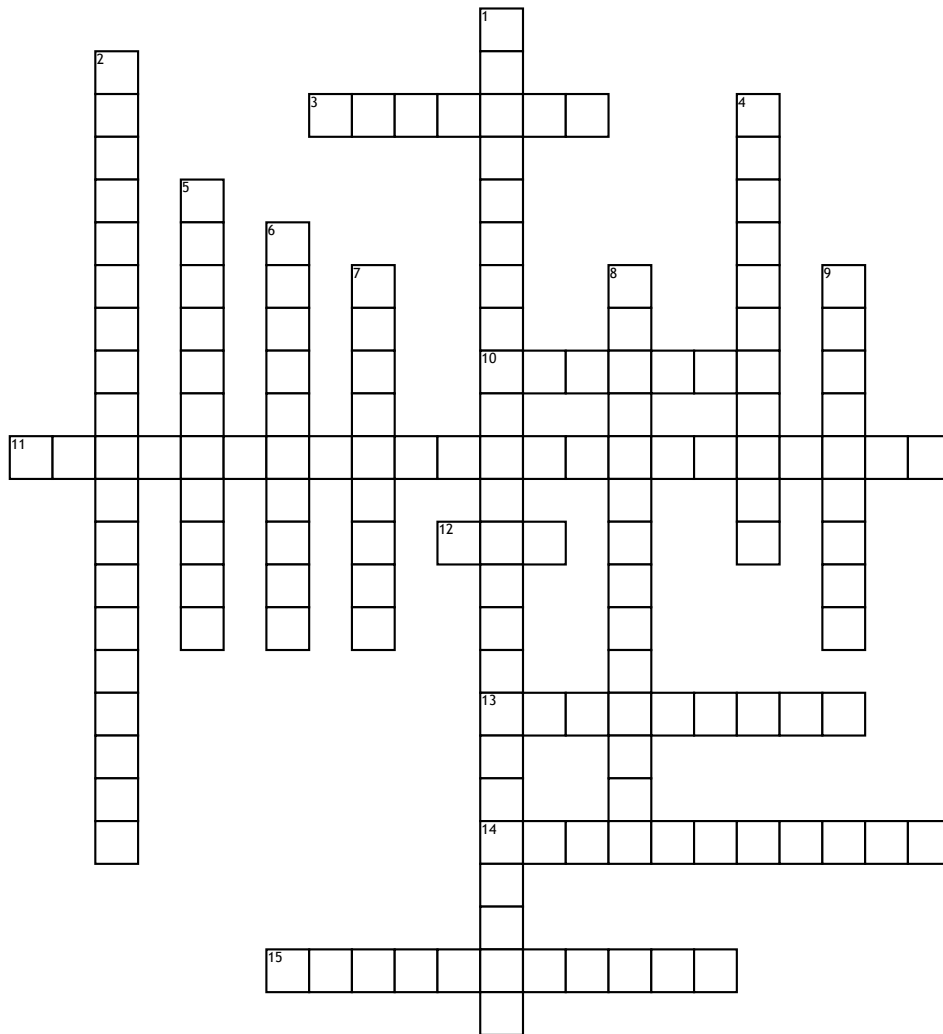


photosynthesis



Across

3. a coloring matter or substance
 10. requiring the presence of air or free oxygen for life.
 11. the site of oxidative phosphorylation in eukaryotes.
 12. adenosine and triphosphoric acid
 13. an organism or tissue living in the absence of air or free oxygen

14. an enzyme that creates the energy storage molecule adenosine triphosphate

15. the green coloring matter of leaves and plants

Down

1. radiation consisting of electromagnetic waves
 2. oxidation of organic compounds that occurs in the cells
 4. a series of reactions, occurring during photosynthesis

5. an organism requiring organic compounds for its source of food
 6. the process of material substance is produced, maintained, and destroyed
 7. an organism capable of self-nourishment
 8. a process when the energy of the sunlight is converted into the energy of glucose
 9. flattened sac or vesicle lined with a pigmented membrane that is the site of photosynthesis

Word Bank

cellular respiration
 chlorophyll
 thylakoid
 ATP
 aerobic

anaerobic
 heterotroph
 electron transport chain
 autotroph
 photosynthesis

pigment
 electromagnetic radiation
 calvin cycle
 ATP synthase
 metabolism