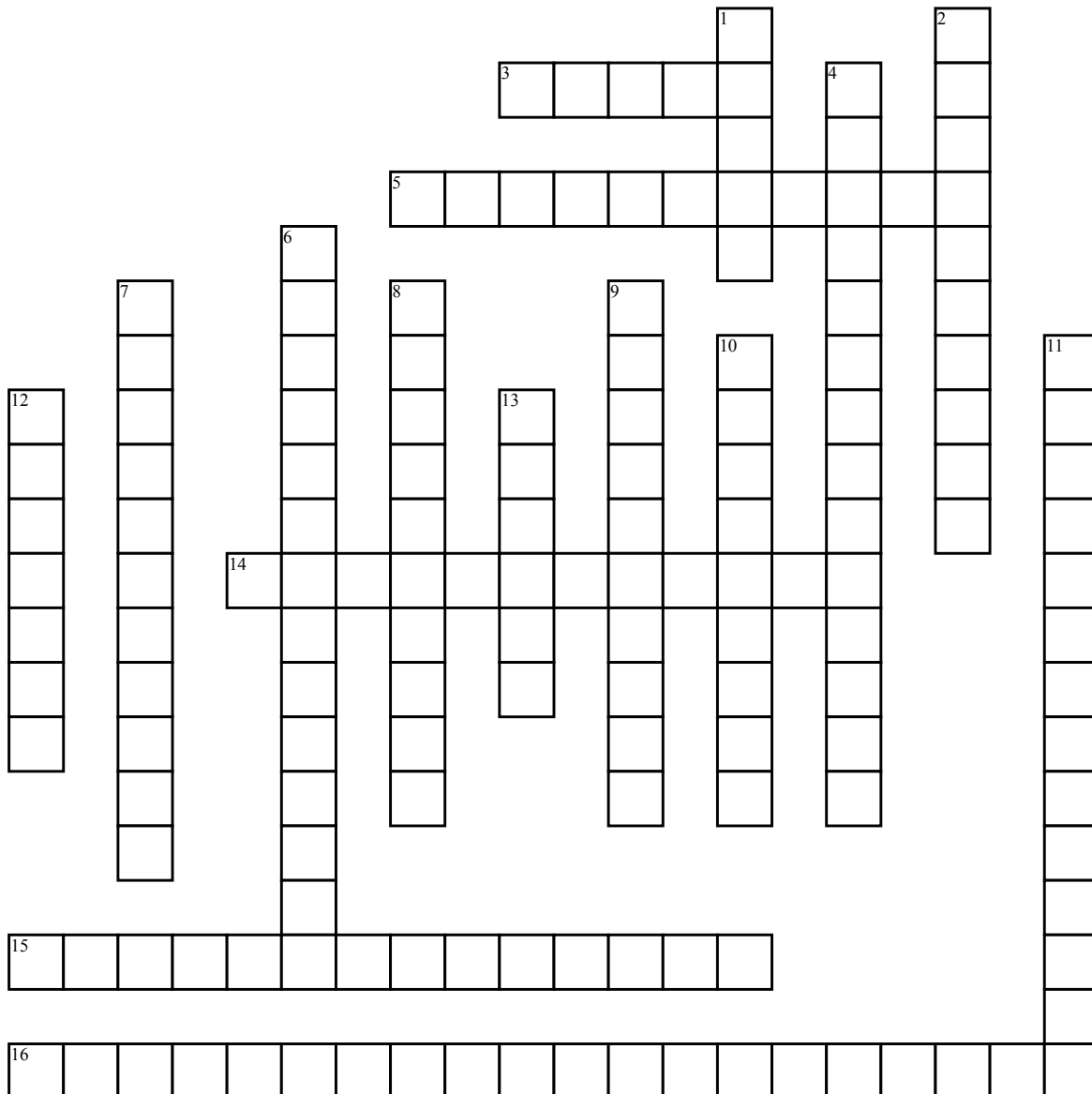


Ch 8. Photosynthesis



Across

- 3.** thylakoids are stacked in columns called _____
- 5.** the green pigment that resides in the thylakoid membrane of the chloroplast
- 14.** organisms that live on compounds produced by other organisms
- 15.** the conversion of light energy to chemical energy that is stored in organic molecules such as sugar
- 16.** the generation of ATP in the light reactions through chemiosmosis

Down

- 1.** acceptor where electrons are temporarily stored
- 2.** sacs that form the third membrane system in a chloroplast
- 4.** thylakoids segregate the _____ from the stroma in the chloroplast
- 6.** the steps in photosynthesis that convert solar energy to chemical energy
- 7.** the part of photosynthesis that creates a 3 carbon sugar
- 8.** the distance between the crests of electromagnetic waves

- 9.** organisms that sustain themselves without eating anything derived from other living beings
- 10.** the tissue of the interior of the leaf where chloroplasts are mainly found
- 11.** the initial incorporation of carbon into organic compounds
- 12.** the microscopic pores in the leaf that allow the transfer and gases, mainly carbon dioxide and oxygen
- 13.** dense fluid surrounded by the double-membrane of a chloroplast