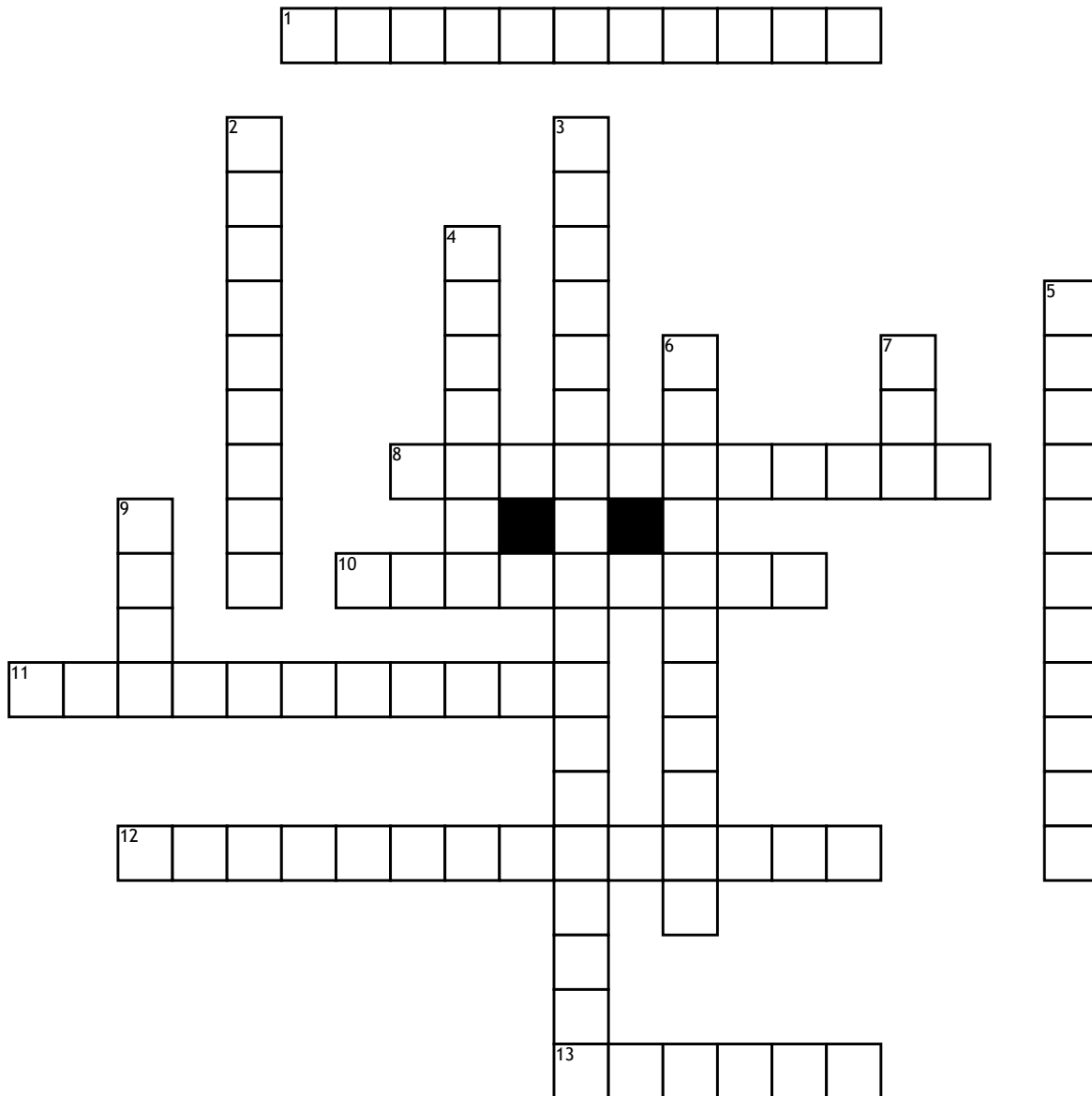


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# CH. 8 VOCAB



## Across

1. principal pigment of plants and other photosynthetic organisms; captures light energy

8. organism that obtains energy from the foods it consumes; also called a consumer

10. organism that can capture energy from sunlight or chemicals and use it to produce its own food from inorganic compounds; also called a producer

11. large protein that uses energy from H<sup>+</sup> ions to bind ADP and a phosphate group together to produce ATP

12. process by which plants and some other organisms use light energy to convert water and carbon dioxide into oxygen and high-energy carbohydrates such as sugars and starches

13. region outside the thylakoid membranes in chloroplasts

## Down

2. saclike photosynthetic membrane found in chloroplasts

3. reactions of photosynthesis that use energy from light to produce ATP and NADPH

4. light-absorbing molecule

5. reactions of photosynthesis in which energy from ATP and NADPH is used to build high-energy compounds such as sugars

6. light-collecting units of the chloroplast

7. one of the principal chemical compounds that living things use to store and release energy

9. one of the carrier molecules that transfers high-energy electrons from chlorophyll to other molecules