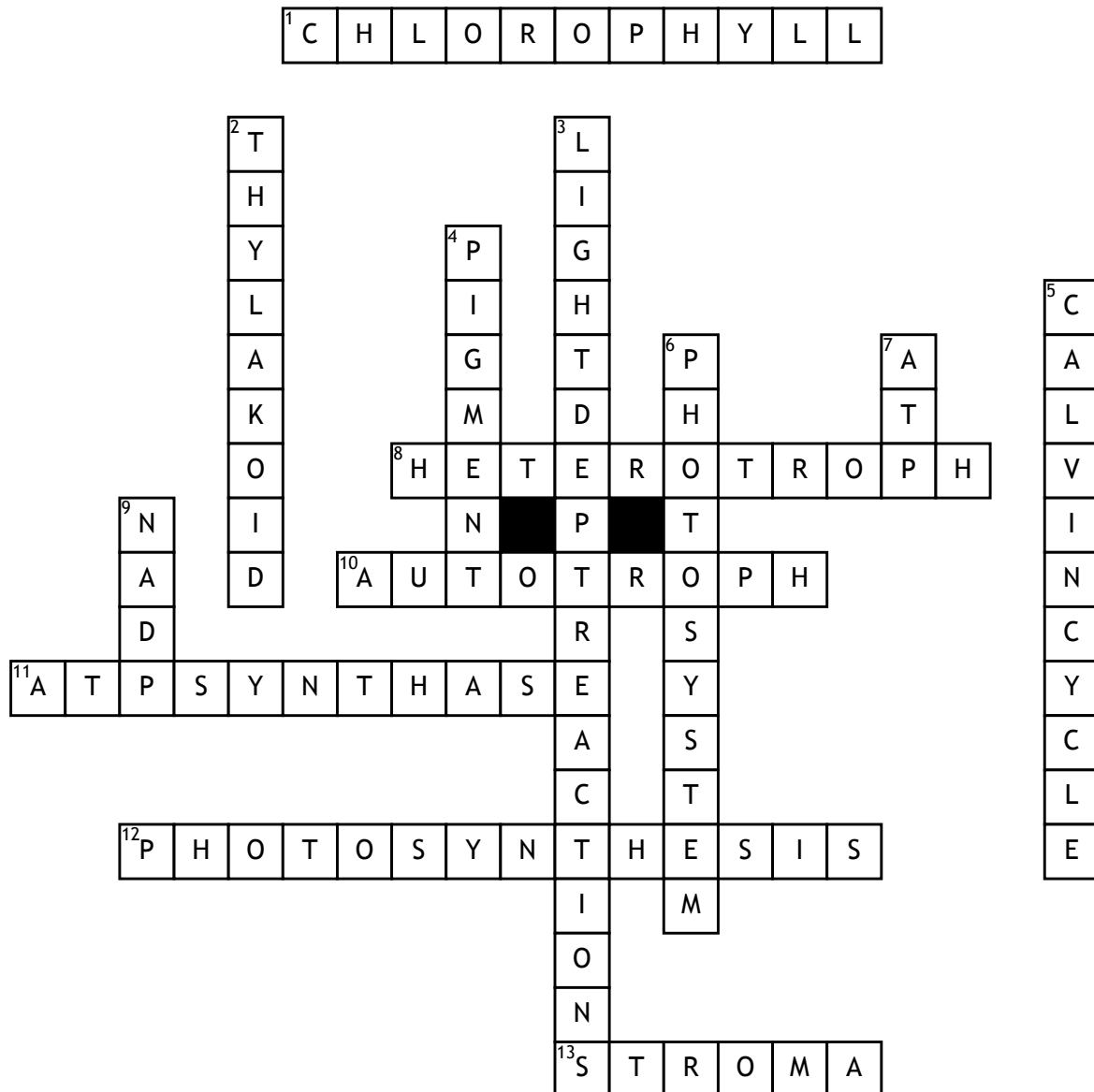


CH. 8 VOCAB



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^+ 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