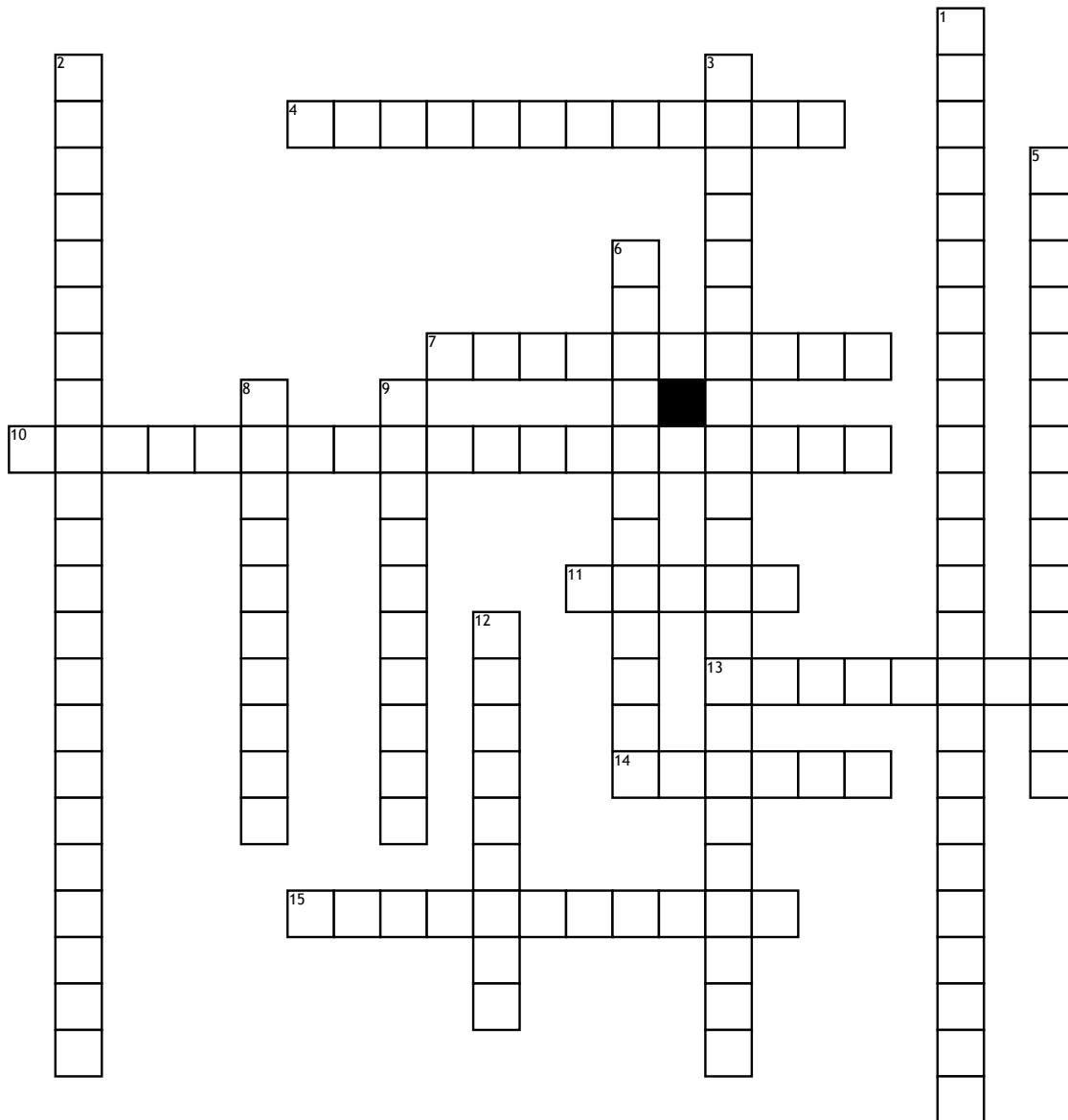


# Photosynthesis and Cellular Respiration



## Across

4. Absorbs mostly red light  
 7. Able to make energy from light  
 10. Complex process where cells break down glucose to make ATP chemical energy  
 11. Stacks of thylakoid  
 13. Compounds that absorb light  
 14. Space inside the thylakoid where the light independent reaction takes place  
 15. Able to make energy from chemicals

## Down

1. The Calvin Cycle forms organic compounds using the stored energy -> glucose  
 2. Light energy is captured and stored as NADPH, oxygen gas is released  
 3. Series of chemical reactions that convert energy into ATP in the mitochondria cristae  
 5. The process of converting light energy into chemical energy (ATP) within a chloroplast

6. Get energy from food; cannot make energy  
 8. Converts glucose to pyruvic acid  
 9. Breaks pyruvic acid into 2-carbon compound to generate energy storing compounds in the mitochondrion matrix  
 12. Flattened discs where the light dependent reactions occur