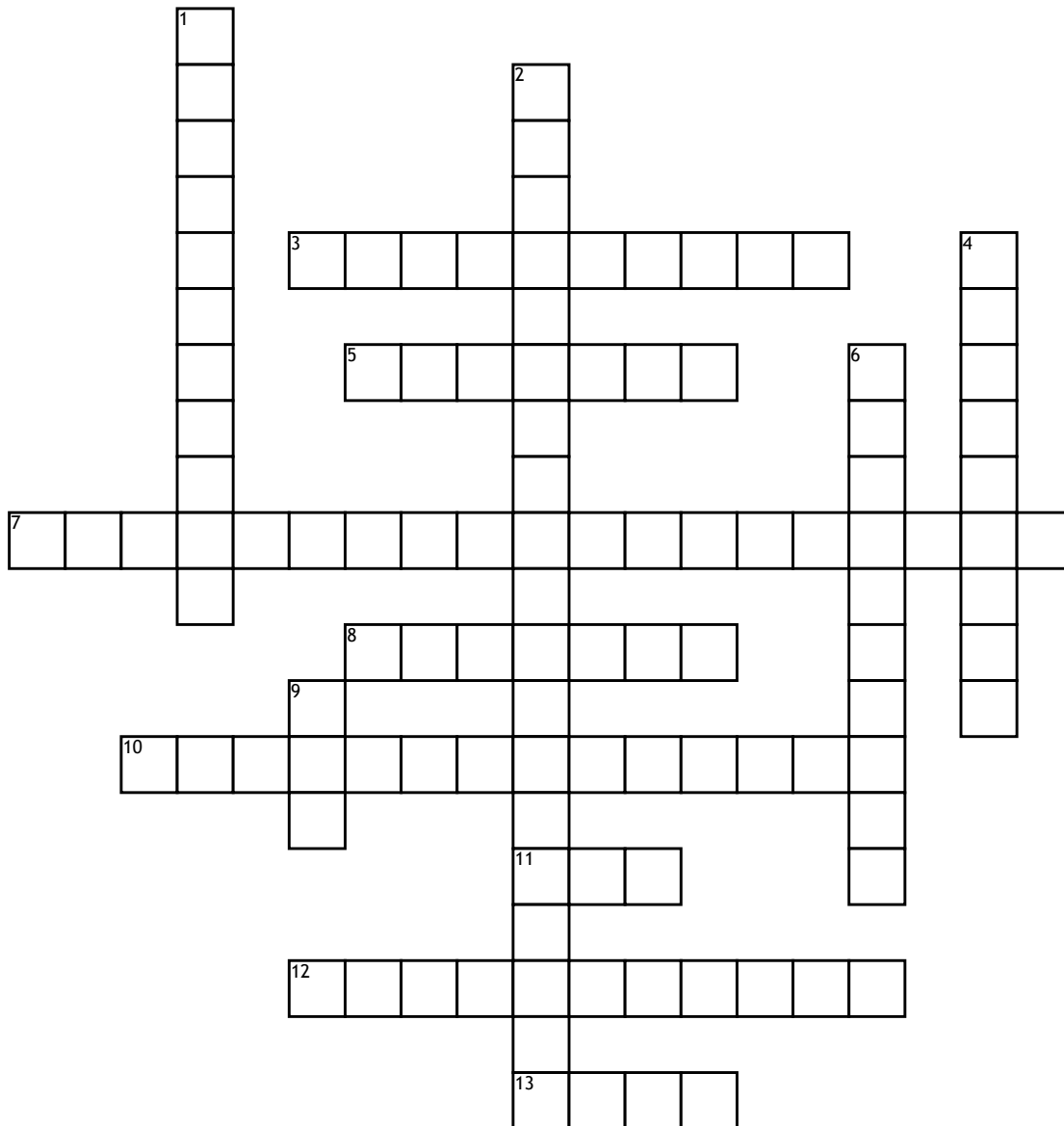


# Energy, Photosynthesis, and Cellular Respiration



## Across

3. A series of anaerobic chemical reactions in the cytoplasm that breaks down glucose into pyruvic acid.  
 5. Chemical reactions that require the process of oxygen.  
 7. Chemical process where mitochondria breaks down food molecules to make ATP.  
 8. A molecule that absorbs specific wavelengths of sunlight.

10. Process by which autotrophs trap energy from sunlight.

11. The molecule that is formed from the breaking off of a phosphate group for ATP.

12. Series of reactions during the light independent phase of photosynthesis.

13. An electron carrier molecule.

## Down

1. Absorbs light to provide energy for photosynthesis.

2. Anaerobic process in which cells convert pyruvic acid into carbon dioxide and ethyl alcohol.

4. Chemical reactions that do not require the presence of oxygen.

6. Reaction that takes place in the the thylakoid membranes of a chloroplast during light-dependent reactions

9. Molecule in cells that stores energy.