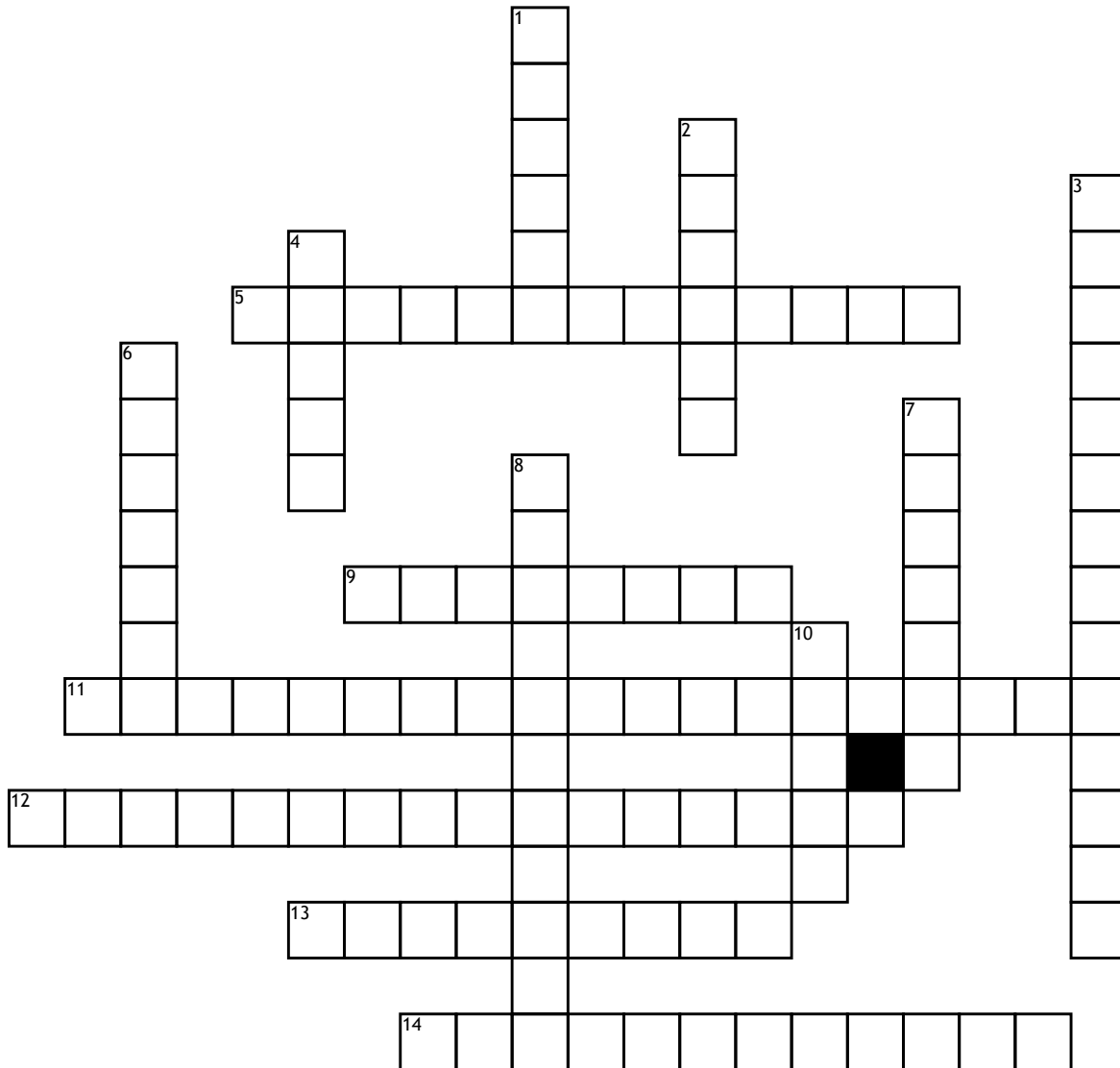


Carbon and Oxygen Cycle



Across

- 5. This is given out to air when food is used by animals during respiration to produce energy to live and grow
- 9. Photosynthesis needs this.
- 11. What takes place in the mitochondria during Glycolysis?
- 12. This converts carbon dioxide and other compounds into glucose. These reactions occur in the stroma, in the chloroplast, and on the outside of the thylakoid membranes.

13. This is a membrane in chloroplasts and the site of the light depended reactions of photosynthesis.

14. Cellular Respiration takes place in this.

Down

- 1. This is used during respiration and given out during Photosynthesis. This also enters the Electron Transport Chain to make ATP.
- 2. This is where the Carbon cycle and Calvin cycle of photosynthesis take place.
- 3. Sunlight and water enters this to produce ATP, NADH, and Oxygen.

4. This goes with sunlight and enters the light dependent reactions.

6. What is broken down into Pyruvic Acid and used during the Krebs' Cycle?

7. During photosynthesis, carbon dioxide is taken in from the atmosphere through this and oxygen is released as a waste product.

8. Photosynthesis takes place in this.

10. These are stacks of thylakoids in the stroma of a chloroplast that contain important light-absorbing pigments, such as chlorophyll.