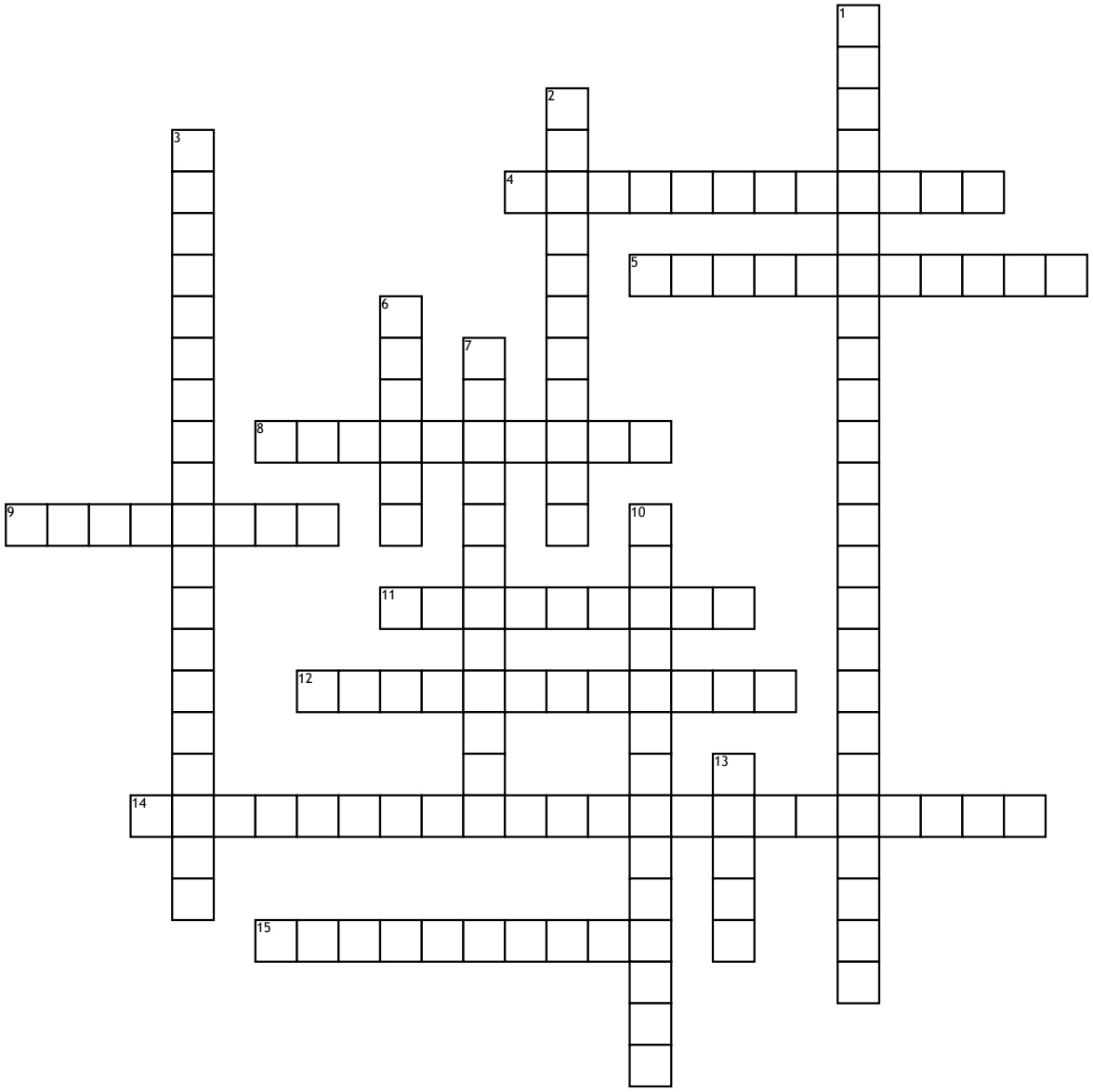
Name: _____ Date: _____

Criss-Cross Applesauce



Across

4. All cells are able to synthesize ATP via the process of glycolysis.

5. Occurs in the stroma.

8. Able to make energy from light.

9. Compound that absorbs light.

11. Flattened discs where the light dependent reactions occur.

12. Get energy from food; cannot make energy.

14. Light energy is captured and stored as NADPH, oxygen gas is released

15. Occurs in the mitochondrial matrix and generates a pool of chemical energy from the oxidation of pryuvate, the end product of glycolysis.

Down

1. The Calvin cycle forms organic compounds using the stored energy>glucose (C6H12)6).

2. Able to make energy from chemicals.

3. Uses oxygen and glucose to produce ATP energy; plus water and CO2.

6. Solution/space inside the thylakoid where the light independent reactions take place (Calvin cycle).

7. Is in a 1:2:1 ratio.

10. The process of converting light energy into chemical energy within a chloroplast.

13. Stacks of thylakoid.