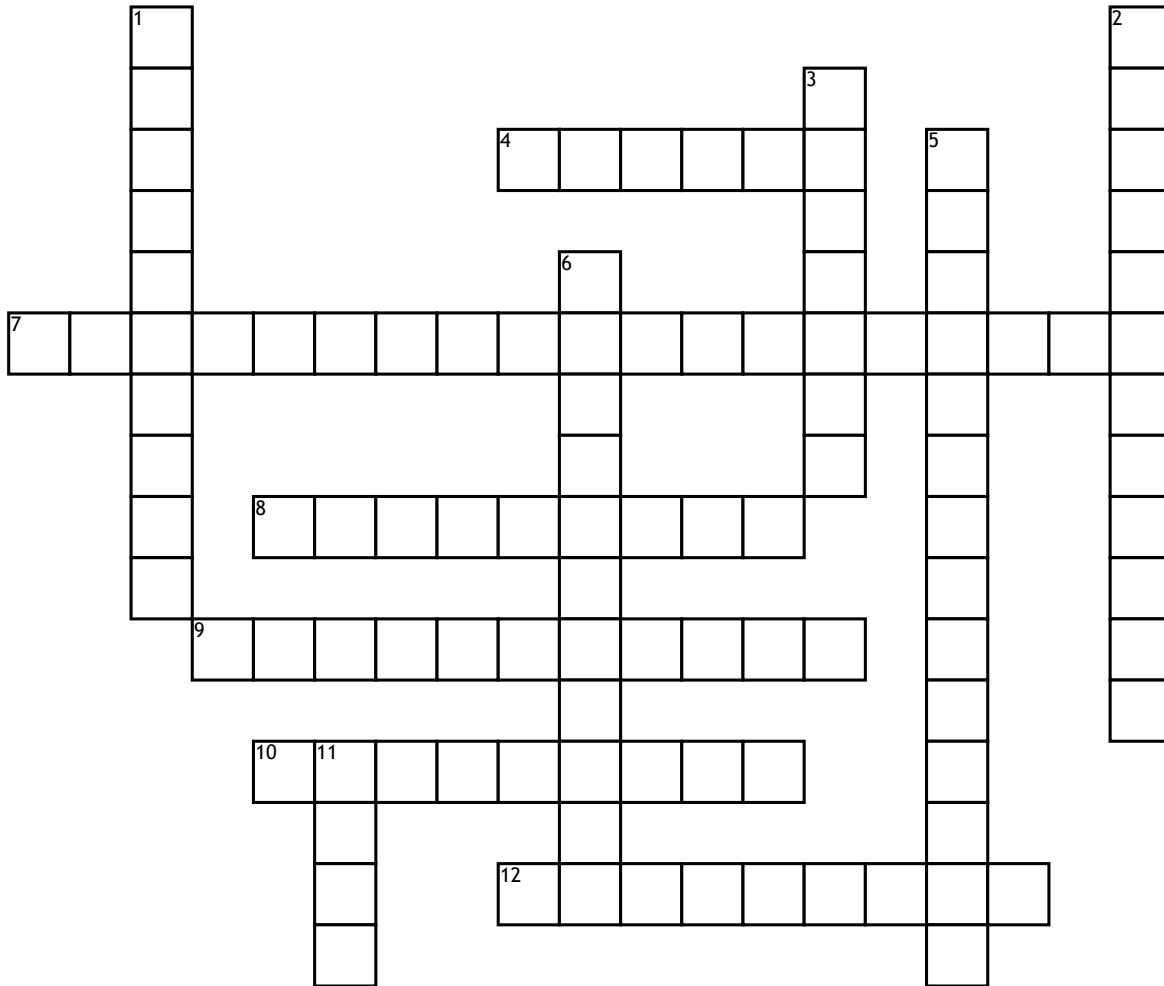


Criss-Cross Applesauce



Across

4. fluid portion of the chloroplast; outside of the thylakoids

7. process that releases energy from food in the presence of oxygen

8. organism that is able to capture energy from sunlight or chemicals and use it to produce its own food from inorganic compounds; also called a producer

9. cluster of proteins that span the thylakoid membrane and allow hydrogen ions (H⁺) to pass through it

10. process that does not require oxygen

12. saclike photosynthetic membranes found in chloroplasts

Down

1. first set of reactions in cellular respiration during which 1 molecule of glucose, a 6-carbon compound, is transformed into 2 molecules of pyruvic acid, a 3-carbon compound

2. process by which cells release energy in the absence of oxygen

3. the amount of energy needed to raise the temperature of 1 gram of water by 1 degree Celsius

5. process used by plants and other autotrophs to capture light energy and use it to power chemical reactions that convert carbon dioxide and water into oxygen and energy-rich carbohydrates such as sugars and starches

6. organism that obtains food by consuming other living things; also called a consumer

11. electron carrier involved in glycolysis