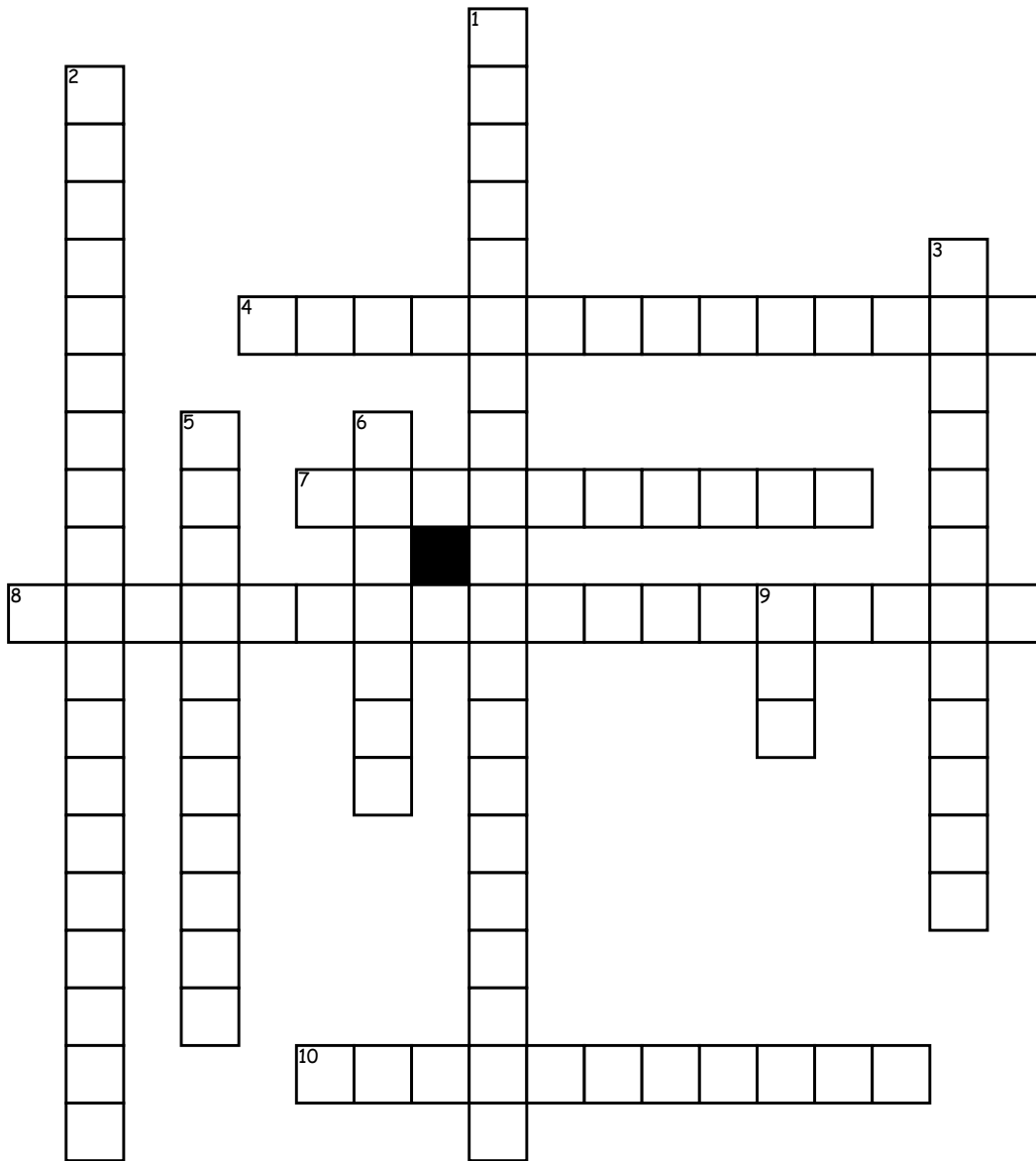


Name: _____ Date: _____ Period: _____

Photosynthesis and Cellular Respiration



Across

4. A process by which photosynthetic organisms use sunlight to make glucose
7. An anaerobic process in which glucose is broken down into two molecules of pyruvate; the first step in cellular respiration
8. A process that requires oxygen to turn glucose into energy for the cell
10. Organelle used to convert light energy into chemical energy; contains chlorophyll

Down

1. A process that requires oxygen to turn glucose into energy for the cell

2. A process of producing ATP by breaking down carbon based molecules when oxygen is present. Takes place in the mitochondria.
3. Organelle that supplies a cell with energy from glucose
5. The green pigment found in photosynthetic organisms that absorbs light energy
6. A simple sugar created by photosynthesis; $C_6H_{12}O_6$
9. Adenosine triphosphate. Energy created and used by cells for all cellular processes.