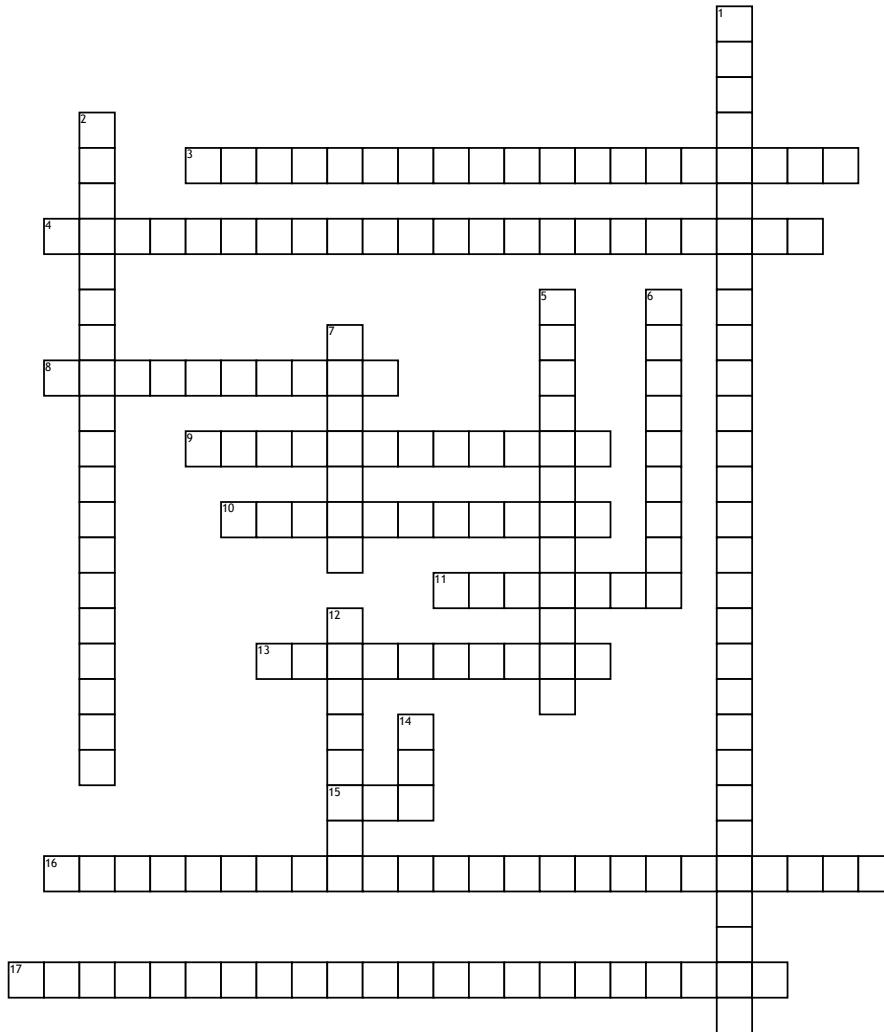


Name: _____ Date: _____ Period: _____

Cellular respiration



Across

3. process that does not use oxygen and deals with alcohol
 4. compounds that transfer electrons
 8. series of chemical reactions to generate through the oxidation of acetyl-CoA
 9. powerhouse of the cell
 10. important enzyme that creates the energy storage molecule ATP
 11. process that uses oxygen

Word Bank

chemiosmosis
 lactic acid fermentation
 pyruvate
 ATP
 Electron Transport Chain
 aerobic

13. converts glucose to pyruvate
 15. high energy molecule found in every cell
 16. mitochondria in cells use their structure, enzymes, and energy released by the oxidation of nutrients to reform ATP.
 17. glucose and 6 other carbons are converted to cellular energy

Down

1. metabolic reaction that results in the formation of ATP or GTP

Krebs Cycle
 glucose
 alcohol fermentation
 mitochondria
 substrate-level phosphorylation
 ATP synthase

2. name of the whole process
 5. movement of ions across a selectively permeable membrane, down their electrochemical gradient.
 6. process that does not use oxygen
 7. sugar used in cellular respiration
 12. glucose gets broken down in to two
 14. Converts to ATP during cell metabolism

glycolysis
 Oxidative phosphorylation
 cellular respiration
 anaerobic
 ADP