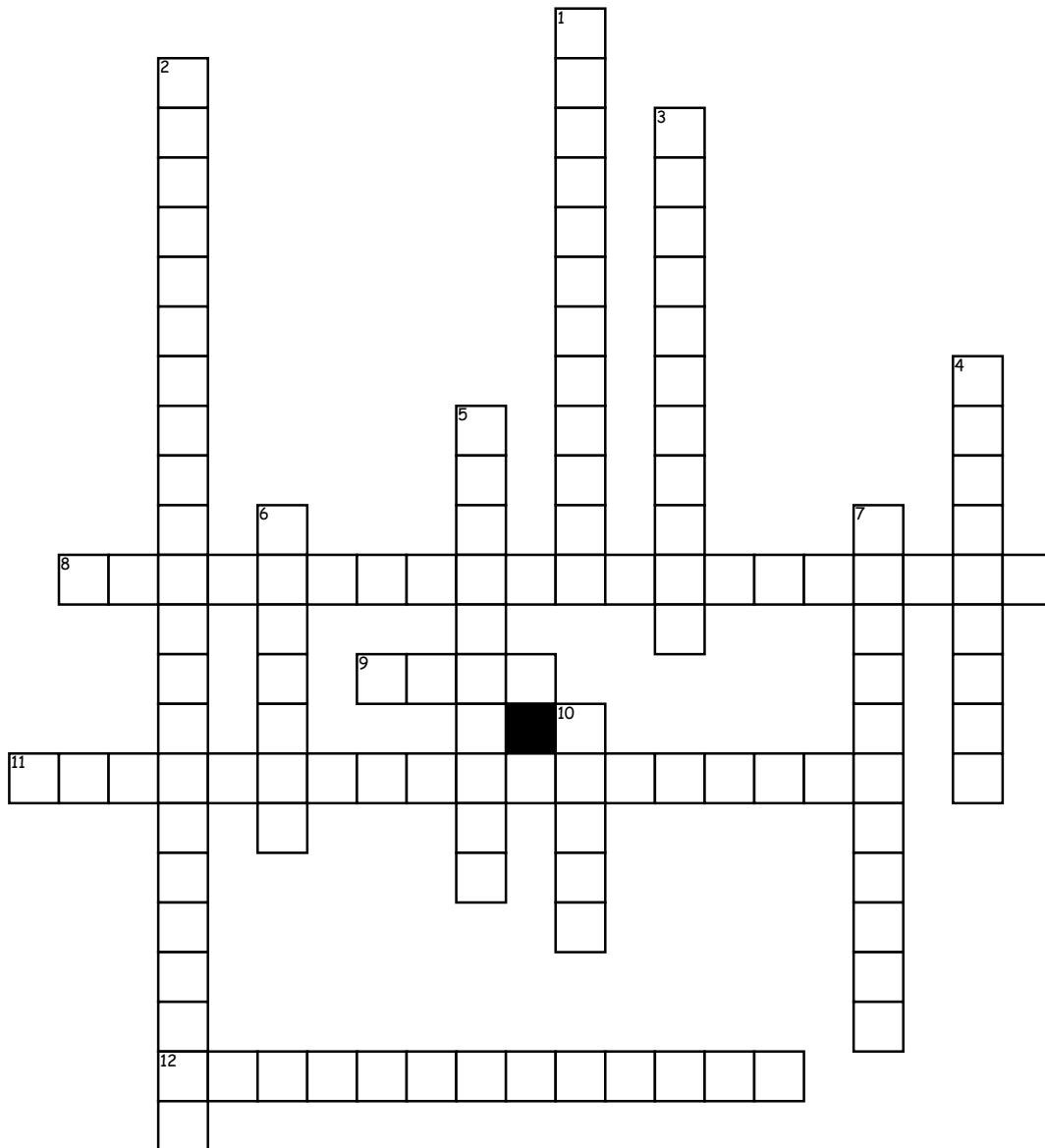


Name: _____ Date: _____ Period: _____

Biology



Across

8. terminal electron acceptor is NOT oxygen

9. a small unit serving as part of or as the nucleus of a larger structural and functional unit of all organisms

11. terminal electron acceptor is oxygen

12. Where is ATP synthase located in the mitochondrion?

Down

1. compound made up of carbon, hydrogen, and oxygen atoms; major source of energy for the human body

2. a series of coupled redox reactions that transfer electrons from NADH and FADH₂ to oxygen.

3. protons are translocated across the membrane rather than electrons

4. monomer that makes up proteins; contains carboxyl and amino functional groups

5. Which process in eukaryotic cells will proceed normally whether oxygen (O₂) is present or absent?

6. macromolecule that contains carbon, hydrogen, oxygen, and nitrogen; needed by the body for growth and repair and to make up enzymes

7. phosphorylates ADP

10. macromolecule made mainly from carbon and hydrogen atoms; includes fats, oils, and waxes