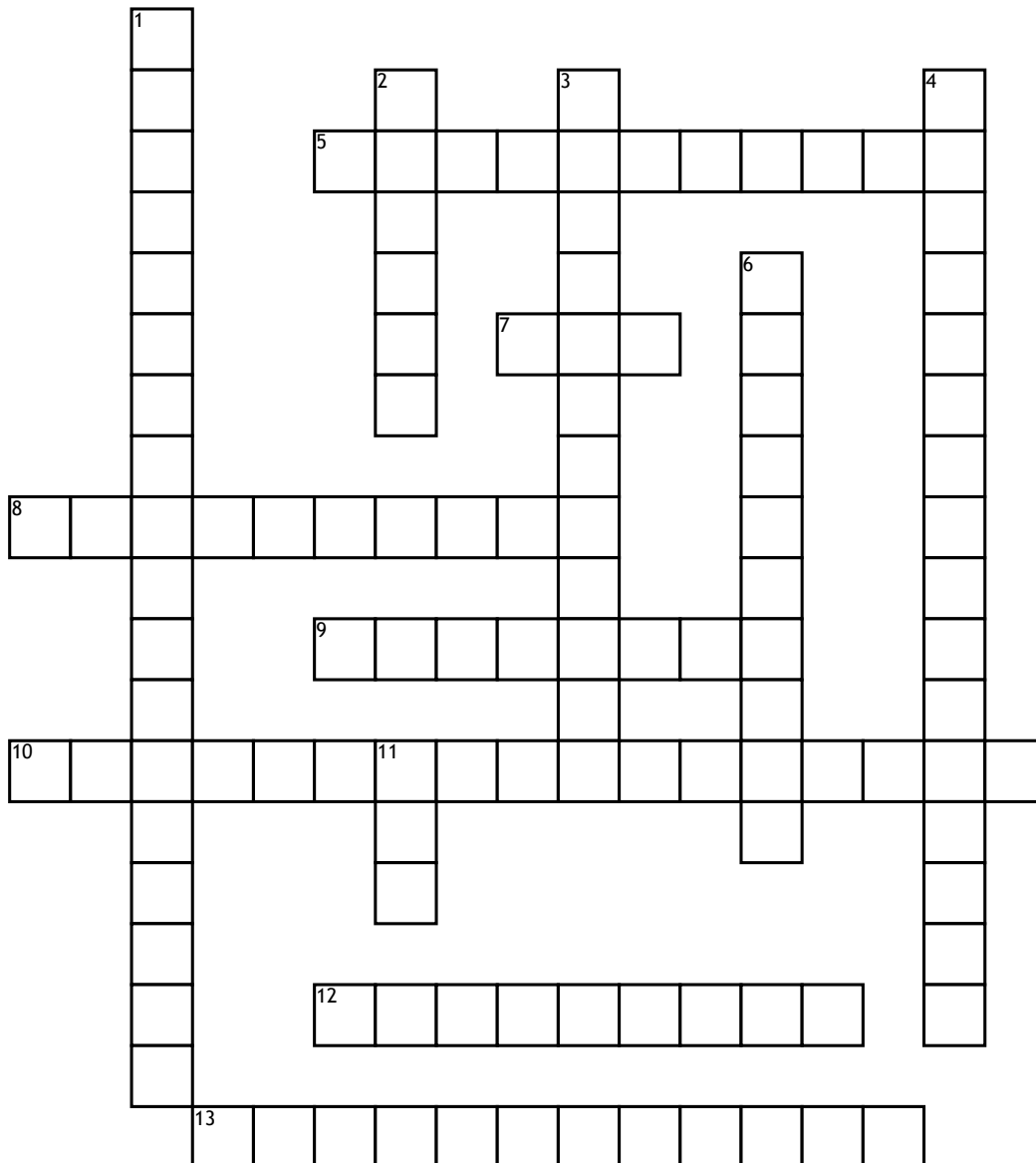


Energy Flow: Concept 1



Across

5. A chemical reaction that absorbs energy (photosynthesis)
 7. (adenosine triphosphate) stores energy for cell functions
 8. A chemical reaction that releases energy (cellular respiration)
 9. Ending materials in a chemical reaction.
 10. The breaking and creating of bonds between different substances (this requires energy)

12. A starting material in a chemical reaction
 13. loss of normal shape of a protein due to a change in heat, pH, ion strength, solubility
Down
 1. energy is stored in the bond between the last 2 phosphates
 2. a type of protein that speed up a biochemical reaction by lowering the activation energy

3. adenine, ribose, 3 phosphate groups
 4. energy is stored in the bond between the last 2 phosphates
 6. A region on an enzyme that binds to a substance during a reaction
 11. (Adenosine Diphosphate) what remains when a phosphate group is removed from ATP, releasing energy