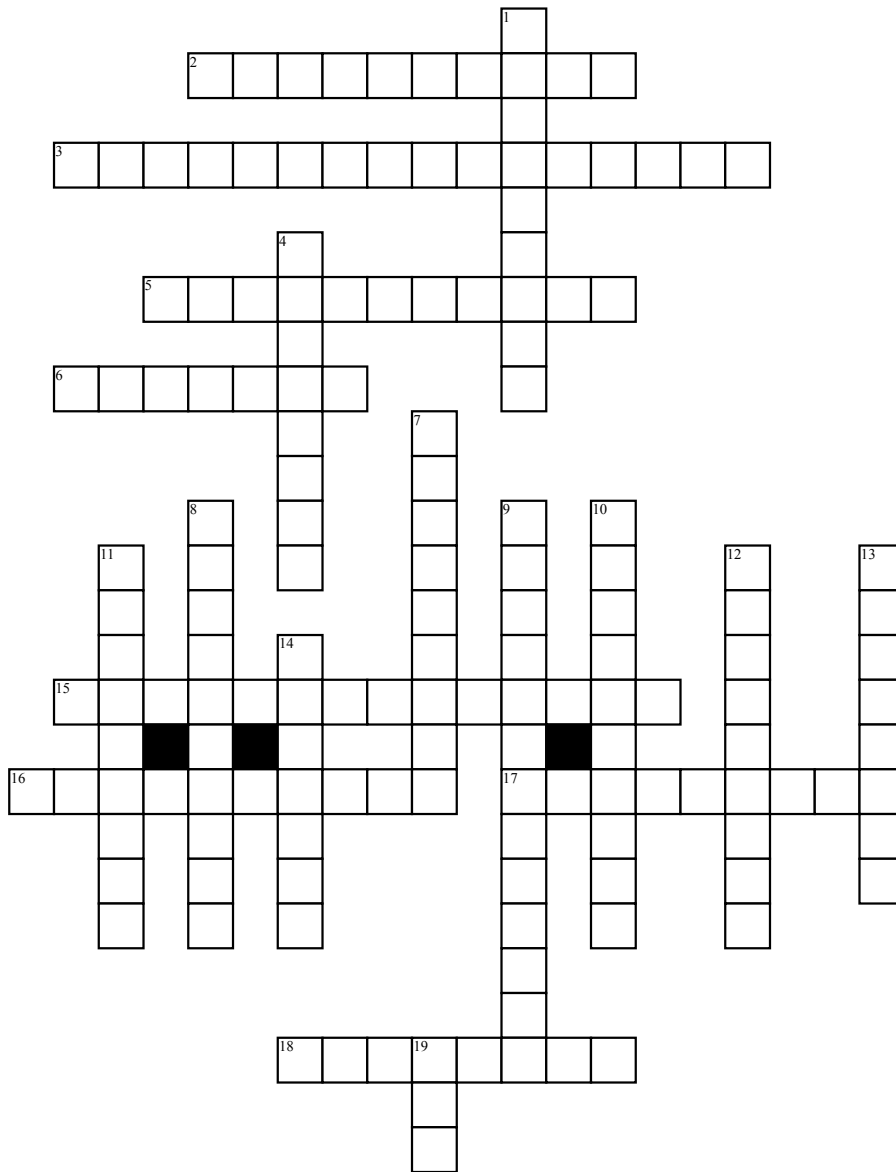


Metabolism



Across

2. Blocks the active site and binds to another part of the enzyme
 3. Needed to start a reaction.
 5. Death
 6. Glucose+Fructose
 15. Piggyback (2 things always moving)
 16. means breaking it down
 17. Breaks down complex molecules into simple molecules

18. Enzymes do this to speed up reactions

Down

1. Stored energy
 4. Energy cannot be created or destroyed, but can be converted
 7. Enhances enzyme to work better
 8. Reaction where energy is required, nonspontaneous
 9. Movement (heat)

10. When every enzyme is doing its job (working and filled with substrate)

11. Every conversion increases the entropy of the universe
 12. Reaction where energy is released, spontaneous
 13. Energy that is a type of potential energy based on chemical bonds
 14. speeds up reactions
 19. Matter that has potential energy in its bonds.