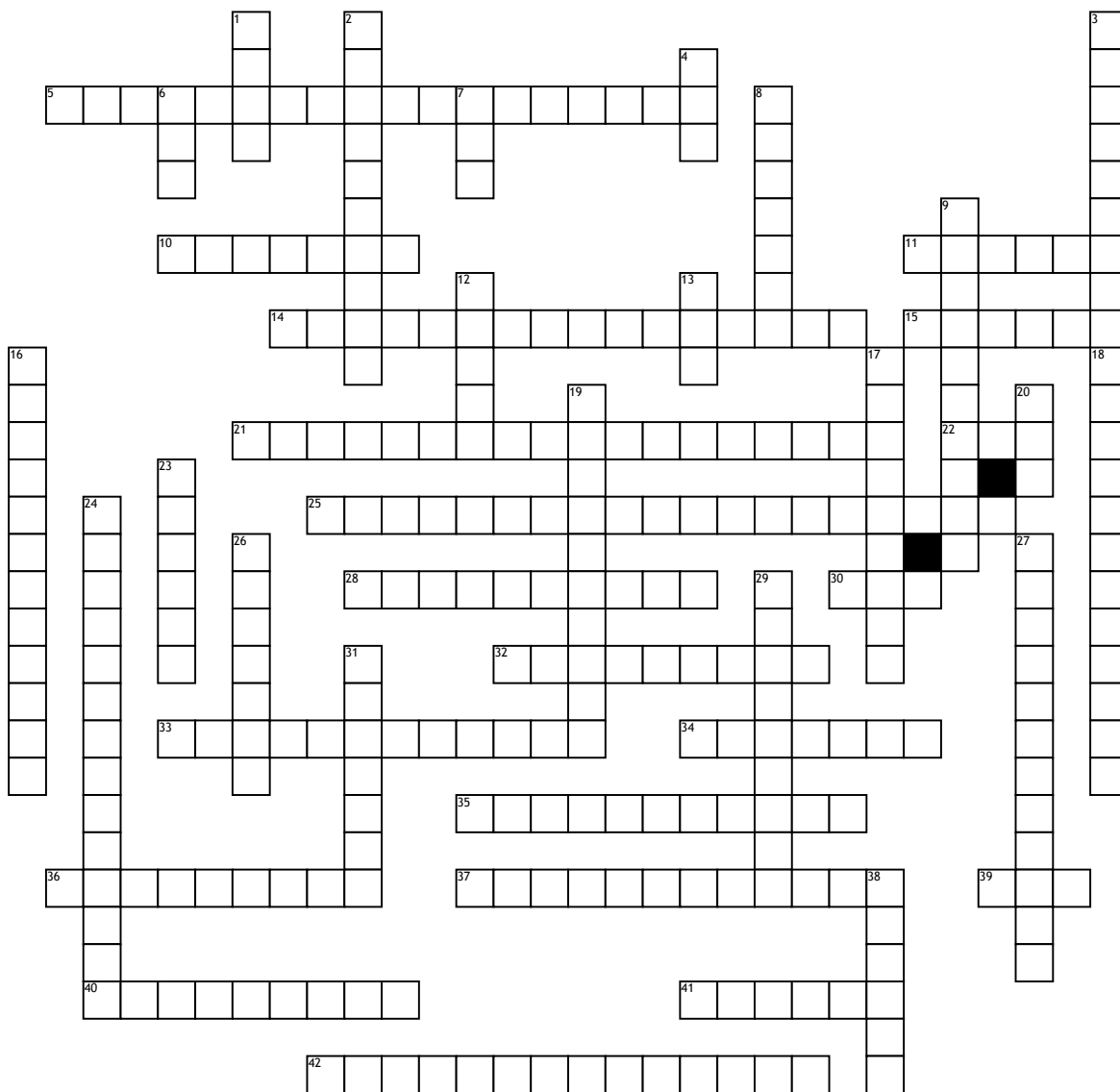


Name: _____

Date: _____

Macromolecule Crossword



Across

5. a hydrocarbon chain with one double bond
 10. The monosaccharide that is the monomer of starch, glycogen and cellulose
 11. A biological catalyst that speeds up the rate of reactions
 14. This is the energy required to start a reaction
 15. This macromolecule is used for long-term energy storage
 21. Lipids that have 2 or more double bonds
 22. The hereditary molecule of life
 25. This structure surrounds all cells and is made of phosphate heads and fatty acid tails
 28. This is a protein that transports oxygen in the blood stream
 30. Plants store energy for long term use as this
 32. The number of ATP Produced in oxidative cellular respiration (word)
 33. the sugar sucrose is this type of sugar
 34. This polypeptide is made up of a long chain of amino acids
 35. This macromolecule is a polynucleotide
 36. an insoluble and indigestible polysaccharide that makes up the cell walls of plants
 37. A long hydrocarbon chain consisting of carbon and Hydrogen all singly bonded together
 39. This macromolecule is used for warmth and cushioning

40. another name for reactants in an enzyme catalyzed reaction

41. The polysaccharide that makes up the cell walls of fungal organisms

42. The monomer of a carbohydrate

Down

1. The number of calories in one gram of lipid (word)

2. the part of an enzyme that interacts with the substrate

3. This macromolecule is the storage form of glucose in humans

4. This molecule is produced in the process of cellular respiration and is used to power most cellular work

6. the number of substrates an enzyme interacts with

7. Many enzyme names end in these three letters

8. the molecule formed when many monomers are joined together

9. Proteins in the immune system that interact with pathogens

12. These macromolecules repel water and protect plants from drying out (plural)

13. This polymer contains phosphate, nitrogenous base and a 5 carbon sugar ribose

16. The functions of this macromolecule are structure, storage, quick energy, and transport

17. when both organism benefit in a symbiotic relationship it is called

18. DNA--> RNA-->Protein

19. The smallest unit of a nucleic acid

20. This lipid is solid at room temperature

23. The storage form of glucose in plants

24. This metabolic process captures the sun's energy and stores it in hydrocarbon bonds

26. The name of this carbohydrate C6H12O6

27. The structure surrounding every cell

29. The monomer of a polypeptide or protein

31. This sugar is how glucose is transported in plants

38. the number of amino acids we require (word)