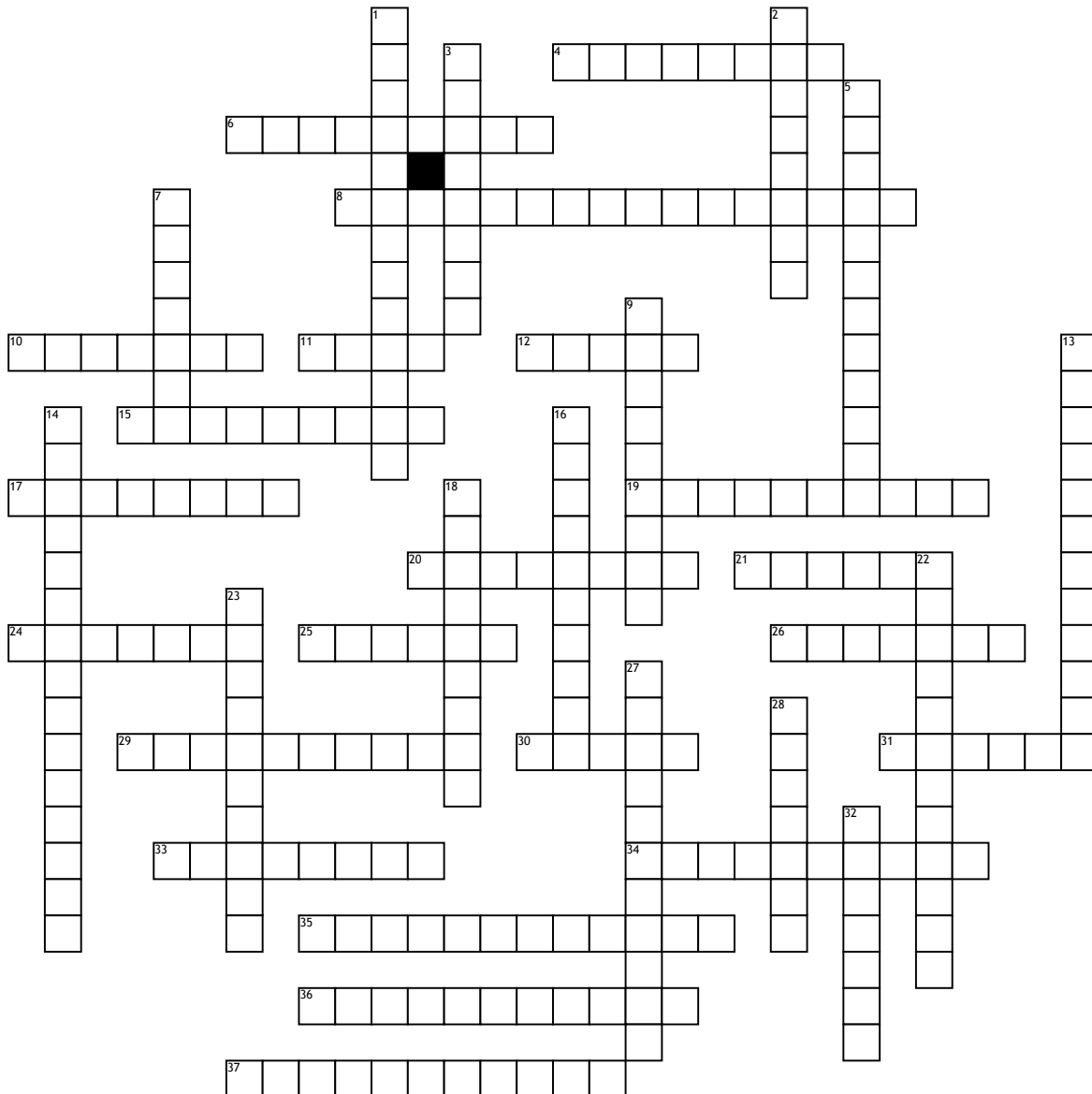


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# A Level Biological Molecules



## Across

4. The acidic group of an amino acid  
 6. Polysaccharide made from beta glucose monomers  
 8. Covalent bond formed between the sulphur atoms in two R groups  
 10. Monosaccharide  
 11. Number of bonds made by a carbon atom  
 12. A molecule with slightly positive and slightly negative regions  
 15. Part of the secondary structure, held together by hydrogen bonds  
 17. A protein made of approximately 33% glycine  
 19. Part of the secondary structure, held together by hydrogen bonds  
 20. Polysaccharide  
 21. The variable part of an amino acid  
 24. Bond formed between two amino acids  
 25. Polysaccharide

## 26. Disaccharide

29. Reaction splitting a molecule in two by the addition of a water molecule  
 30. Bond formed between a fatty acid and a glycerol  
 31. Modified polysaccharide found in insect exoskeletons  
 33. Monosaccharide  
 34. Bond formed between two monosaccharides  
 35. Weak intermolecular force formed between polar molecules  
 36. Repelled by water  
 37. A lipid important for fluidity of plasma membranes

## Down

1. All monosaccharides and some disaccharides are this  
 2. The amino acid containing sulphur  
 3. An irregularly shaped protein e.g. an enzyme

## 5. Macromolecule made of three fatty acids and one glycerol

7. Disaccharide  
 9. A fat with no C-C double bonds  
 13. Reaction joining two molecules by the removal of water  
 14. An inorganic group attached to a polypeptide chain, essential for the functioning of the protein  
 16. Monomers which form proteins  
 18. Monosaccharide  
 22. Molecule of the plasma membrane, composed of one hydrophilic head and two hydrophobic tails  
 23. To spin a suspension very faster to separate components  
 27. A protein with quaternary structure, binds to oxygen  
 28. Disaccharide  
 32. A protein with regular structure, often used for structural functions