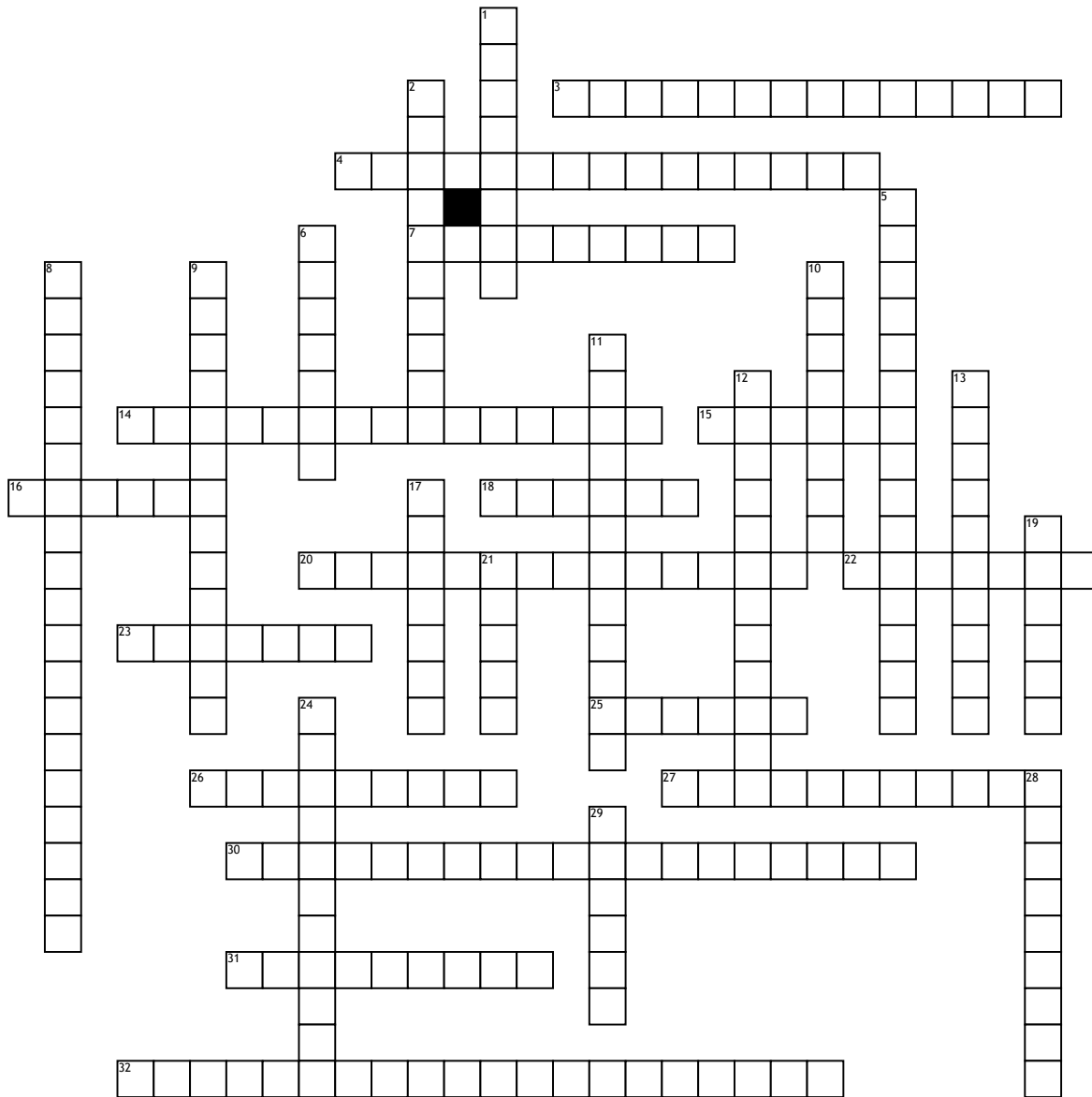


B1.1



Across

3. Water released in the cells of an organism by its metabolic reactions. (9, 5)
4. What bonds are used between two carbohydrates? (10, 5)
7. Give an example of an unsaturated fatty acid (5, 4)
14. What is starch? (1, 14)
15. What type of monosaccharide is glucose? (6)
16. What colour does Biuret turn if protein is present? (6)
18. A monosaccharide containing three carbon atoms. (6)
20. An individual sugar molecule (14)
22. Molecules that have a high proportion of carbon atoms. (7)
23. A monosaccharide containing five carbon atoms. (7)
25. What is the test for starch? (6)

26. An oxygen atom joining two atoms, one of which is a carbon atom attached by a double bond to another oxygen atom (5, 4)

27. If a double bond is present in the hydrocarbon chain what is it described as? (11)

30. What is glycogen used for? (7, 3, 9)

31. A molecule that has no more than one carbon atom. (9)

32. What is the function of Cellulose? (4, 2, 5, 4, 5)

Down

1. What is the main storage product in animals? (8)

2. Which bond is formed between two monosaccharides in a condensation reaction? (10)

5. Give 2 examples of fibrous proteins (8, 7)

6. Name one example of a non-reducing sugar (7)

8. What does the cross-linkages give it? (10, 9)

9. The weak attractive force between the partial positive charge of a hydrogen atom of one molecule and a partial negative charge on another atom, usually oxygen or nitrogen (8, 4)

10. What do proteins contain that carbohydrates don't? (8)

11. Polar; a molecule that can interact with water molecules because of its charge. (12)

12. A bond formed by the condensation reaction between the amino group of one amino acid and the carboxyl group of another. (7, 4)

13. What is the monomer of proteins? (5, 5)

17. Molecules that have the same chemical formula but a different arrangement of atoms. (7)

19. A molecule with a positive and negative charge, separated by a very small distance. (6)

21. What determines the order of amino acids in a polypeptide chain? (1, 4)

24. What structure is iron important in? (11)

28. What is the compound called when 2 amino acids join? (9)

29. What is the glucose storage polysaccharide in plant cells? (6)