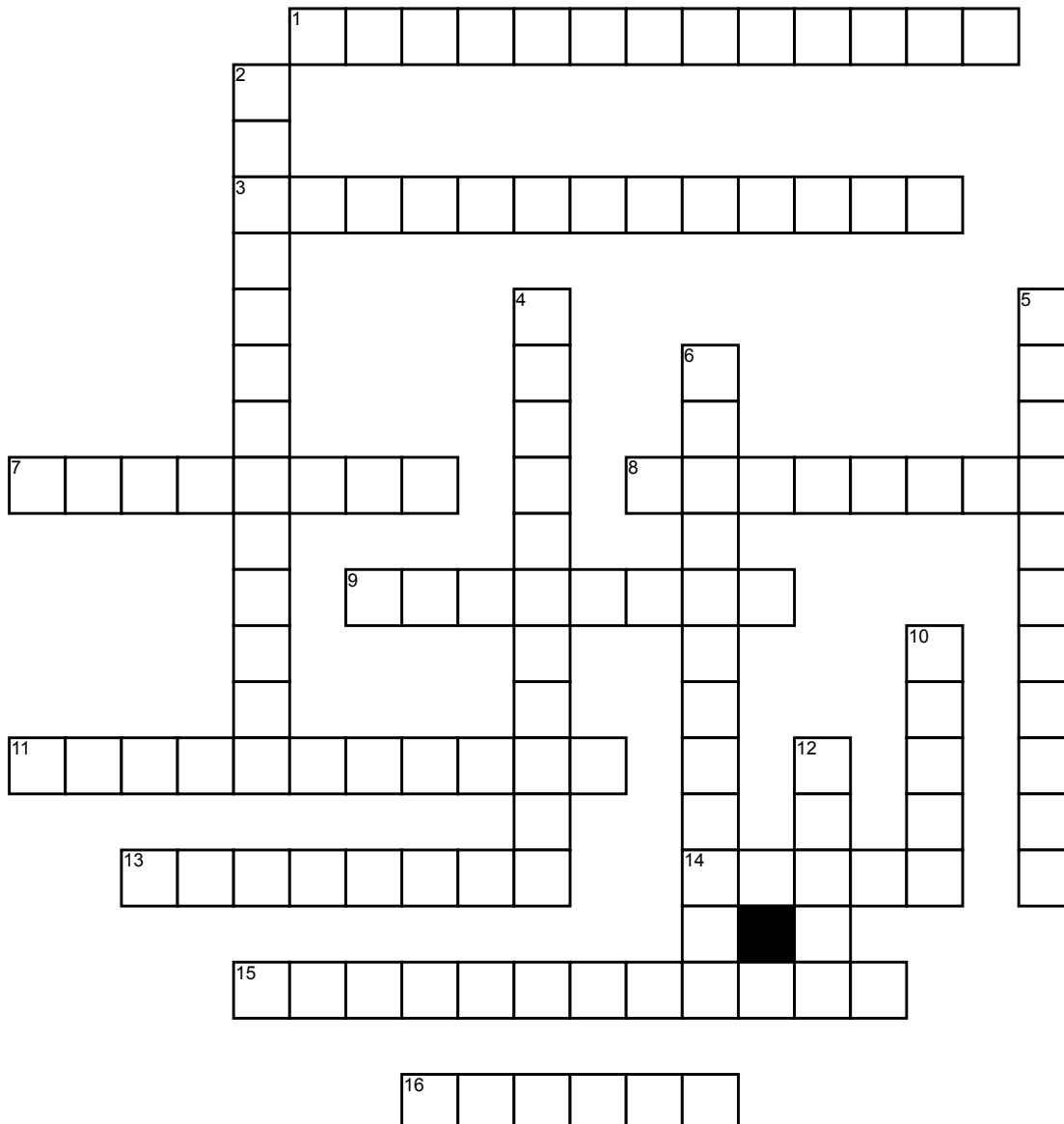


# Biochemistry - Topic 1



## Across

1. Molecules that are needed in large quantities for survival - carbon, nitrogen, oxygen and hydrogen
3. Class of biological molecules that consists of simple sugars
7. Type of bond where electrons are shared
8. Atom of a hydrogen bond that has an extra available pair of electrons
9. Type of bond where an opposite charge attraction occurs between covalent molecules

11. Which type of bonding is the weakest?

13. Class of biological molecules that consists of amino acids

14. Which type of bonding is strongest?

15. Study of the biological functioning of organisms at a molecular level

16. Class of biological molecules that consists of fatty acids

## Down

2. Molecules that are needed in small quantities but toxic in large quantities

4. Type of bond with weak temporary dipoles

5. Interaction between non-polar molecules that allows them to clump together to avoid exposure to water

6. Class of biological molecules that consists of nucleotides

10. Type of bond that involves an attraction of opposite charges

12. Atom of a hydrogen bond that has an available hydrogen