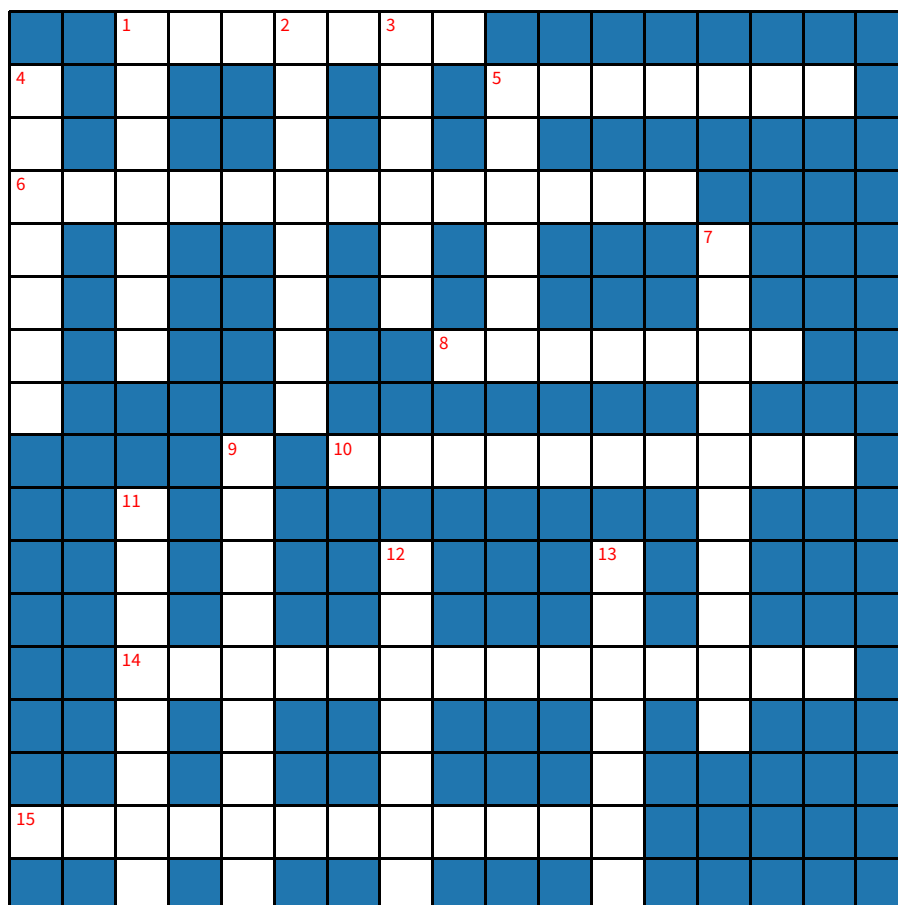


## Organic chemistry



### Across

- 1 Hydrocarbons consisting of molecules with only single bonds between their carbon atoms (7)
- 5 The alcohol produced by fermentation of sugars (7)
- 6 An anagram of 'storming teeth' - this type of polymer has covalent bonds between its polymer chains (13)
- 8 Compounds with the same chemical formula but different structures (7)
- 10 This sort of series is a 'family' of organic compounds (10)
- 14 Toxic gas formed by incomplete combustion of hydrocarbons (6,8)
- 15 Sounds a bit wet - nylon and polyester are examples of this type of polymer (12)

### Down

- 1 Hydrocarbons consisting of molecules with at least one C=C bond (7)
- 2 A homologous series of compounds containing the hydroxyl group, -OH (8)
- 3 The simplest alkene (6)
- 4 The simplest alkane (7)
- 5 Fruity substances made by reacting an alcohol with a carboxylic acid (6)
- 7 Type of organic acid containing the -COOH group (10)
- 9 Describes a hydrocarbon containing no C=C bonds (9)
- 11 Process used to break larger alkanes into smaller alkanes and alkenes (8)
- 12 This food flavouring is a dilute solution of ethanoic acid (7)
- 13 Orange-brown element that turns colourless when mixed with alkenes (7)