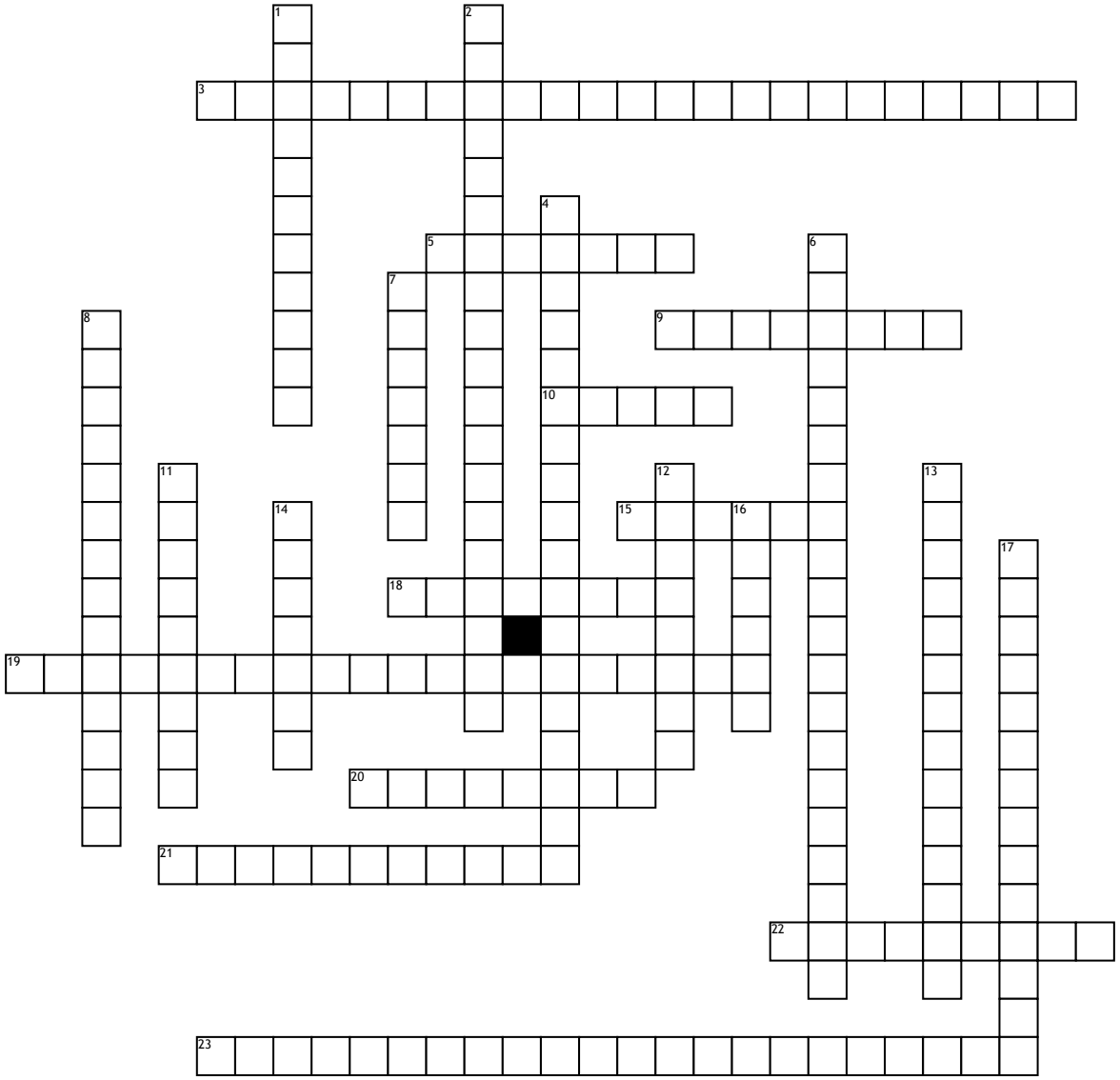
Organic Chemistry



Across

3. A hydrocarbon with one or more double or triple bond.
5. A small molecule that can combine to form a polymer
9. A group of small molecules with similar boiling points,distilling off at the same place in a fractional column
10. A compound formed when a carboxylic acid reacts with an alcohol
15. A hydrocarbon with the general formula CnH2n+2
18. A substance made up from a huge number of small molecules that have combined
19. Occurs when there is not enough oxygen to react completely with the substance burned
20. The breaking of an organic compound into smaller molecules by heat
21. A compound containing only carbon and hydrogen
22. A polymer with -COO- linkages
23. The separation of different substances in a liquid by their different boiling points

Down

1. Fuel formed from the remains of tiny dead, sea creatures and plants over millions of years
2. A tall column used for fractional distillation
4. Occurs when there is plenty of oxygen available or air present, therefore making a clean blue flame
6. A hydrocarbon with only single bonds. It has the maximum amount of hydrogens possible
7. A compound with an -OH functional group and general formula CnH2n+1OH
8. A weak acid that has a general formula of CnH2n+1COOH
11. A polymer with -CONH- linkages
12. Polymers that can be moulded
13. A very large molecule
14. Substance with the same molecular formula but different arrangement of atoms
16. A hydrocarbon containing one or more C=C bonds and having the general formula CnH2n
17. The chemical reaction combining monomers to form a polymer