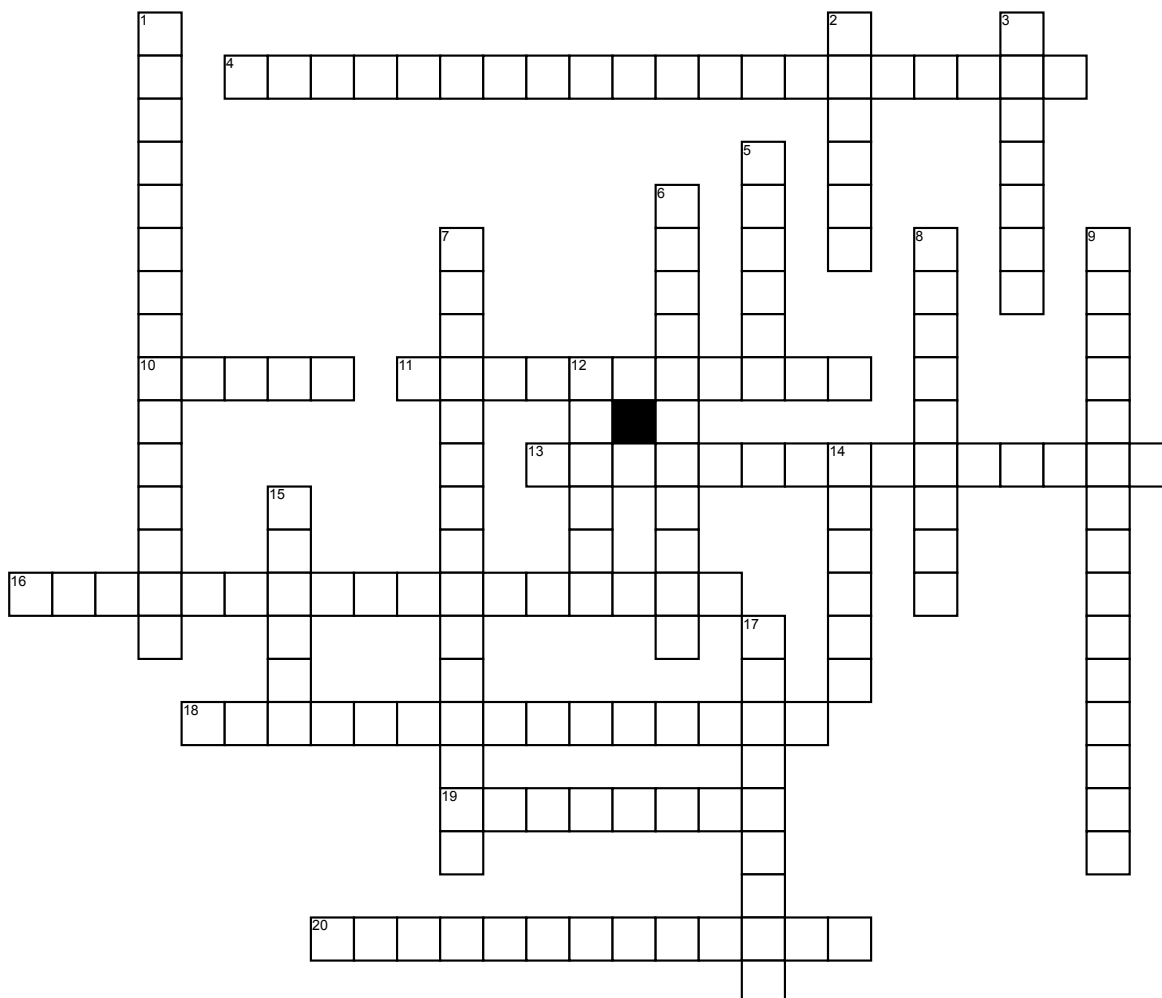


# Organic Chemistry



## Across

4. If all of the carbon atoms are linked by single covalent bonds and there are no branches, the compounds are called

10. Alkanes are often used as \_\_\_\_\_ because they readily undergo combustion in oxygen

11. Substances that cause cancer are called

13. waves all vibrate in the same plane

16. A hydrocarbon that has a ring of carbon atoms in its structure

18. Alkenes and alkynes are more reactive than alkanes because double and triple bonds have greater \_\_\_\_\_ than single bonds have

19. All the bonds in an alkane are----

20. atoms bonded in the same order but arranged differently in space.

## Down

1. A way of representing an organic compound by showing only the hydrogen atoms.

2. An \_\_\_\_\_ is a hydrocarbon that has one or more triple covalent bonds

3.  $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

5. a hydrocarbon that has one or more double covalent bonds between carbon atoms

6. The simplest group of such compounds are ----- which contain only carbon and hydrogen

7. Most compounds that contain carbon are known as \_\_\_\_\_

8. Right or left handedness of a molecule

9. Different arrangements of groups around a double bond

12. Same molecular formula but different molecular structures

14. The unsaturated hydrocarbon \_\_\_\_\_ is starting material for the synthesis of plastic polyethylene

15. Torches used in welding burn \_\_\_\_\_, which is commonly called acetylene

17. Alkanes are \_\_\_\_\_ Hydrocarbons because they only single bonds