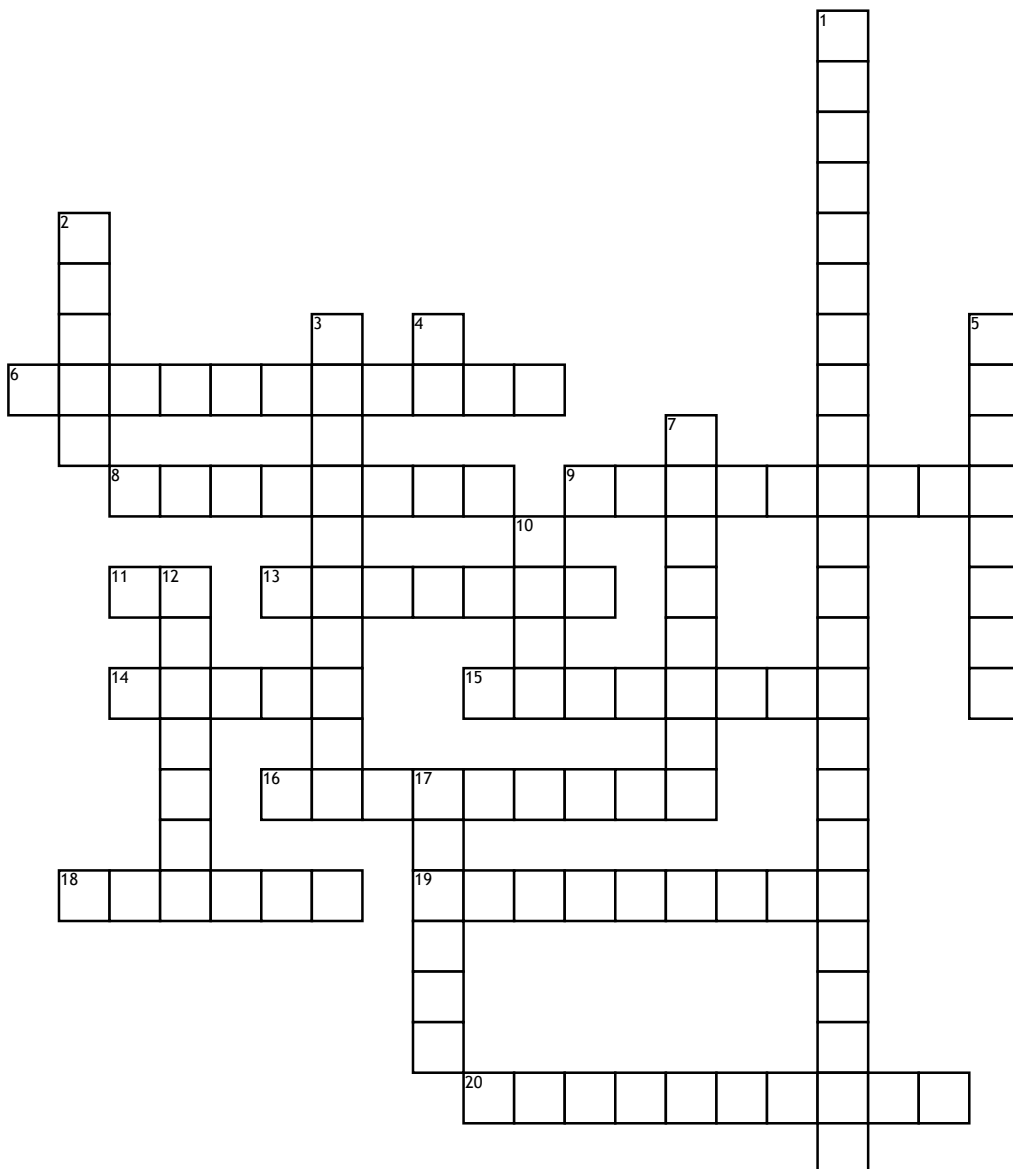


Functional Groups and Hybridisation



Across

6. Give the terminology for the final step in free radical substitution
8. What functional group is -OH
9. How many σ bonds are in aspirin (figure 3)
11. What is the hybridisation of a linear molecule
13. What functional group has an estimated pka of 15
14. What type of bonding is present in a single carbon to hydrogen bond
15. Benzene is known as an _____ compound
16. Is figure 2, a primary, secondary or tertiary structure

18. What is the electronegative element in a carboxylic acid
19. Give an example of a solution that retains its chemical composition when distilled.

20. Give the nomenclature for figure 2.

Down

1. Select the correct IUPAC name for figure 5:
2. What is the compound based on the functional groups that are present in figure 6
3. What is the compound based on the functional groups in figure 7
4. What type of bonding is present in a double bond

5. The functional group given below is characteristic of organic ... figure 4

7. Is figure 1, a primary, secondary or tertiary structure

10. How many pi bonds are shown in the molecule figure 8

12. Is isopentyl bromide, a primary, secondary or tertiary structure

17. Give the terminology which best describes a central atom having more than one (OH) group bonded to it.