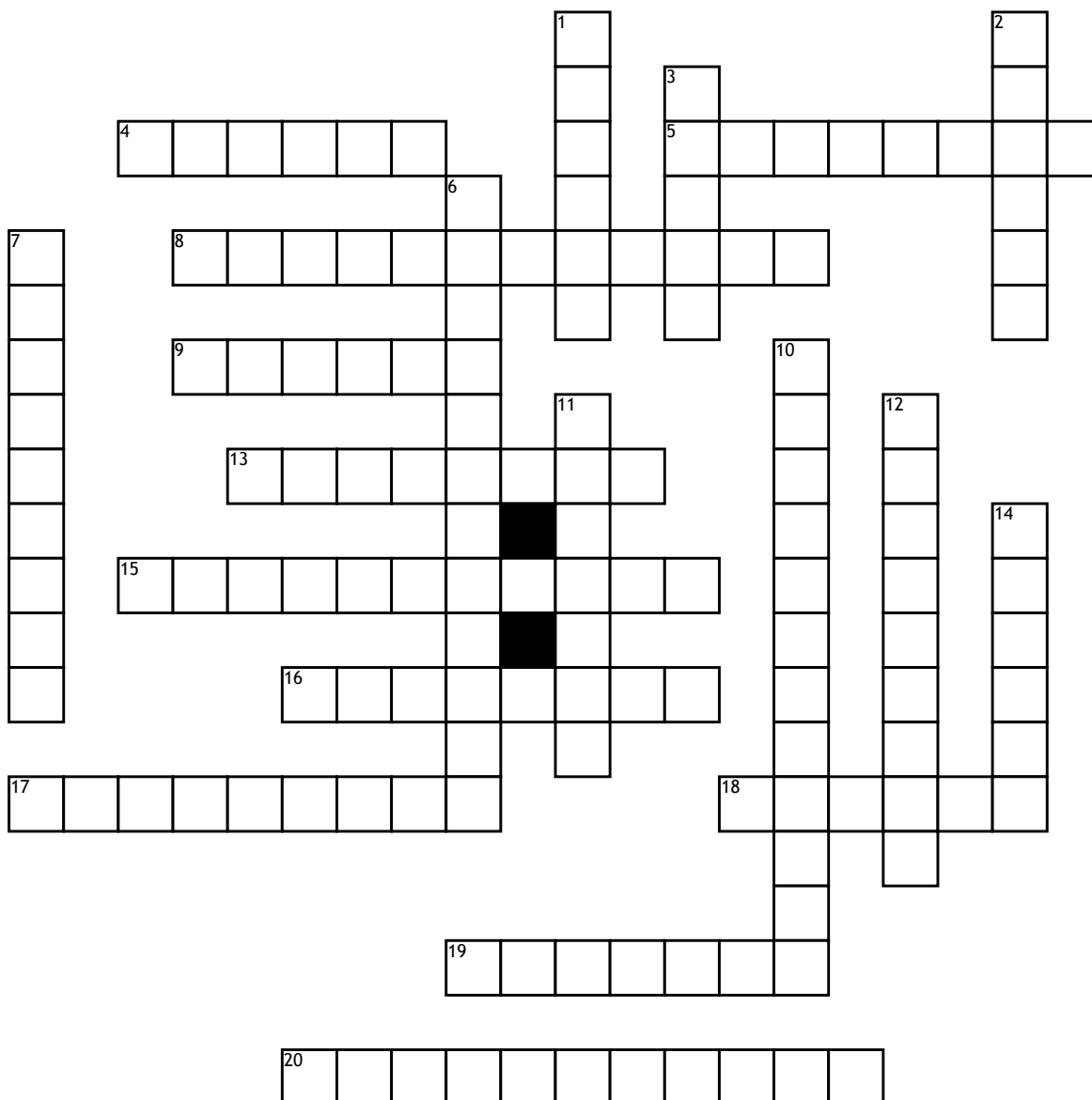


Aromatic Chemistry Crossword



Across

4. Benzene has a _____ structure
 5. Phenol and preferred pyridine are both _____
 8. Meta directing substituents are what type of group?
 9. Benzene wants to preserve the aromatic _____
 13. FeCl₃ is used as a _____ in chlorination
 15. What is it called when more than 2 p orbitals overlap in cyclic or acyclic systems?
 16. What is a weak base (P_{ka} 5.5)?

17. Concentrated nitric and sulphuric acid are used for what type of reaction?

18. Diazonium ion reacted with Cu²⁺ CuO/H₂O at 25 degrees gives rise to?

19. Kekule suggested a structure for what in 1865?

20. Another term for a carbonium ion

Down

1. What is missing? To be aromatic a compound must be cyclic, fully conjugated and follow Huckel's rule

2. What type of conditions are needed for Clemmensen Reduction reactions?

3. Wolff-Kishner reactions use _____ conditions

6. How can we purify products?

7. _____ structures can have more than one Lewis formula

10. Species that bonds with nucleophiles by accepting an electron pair

11. C₉H₈O₄ (Acetylsalicylic acid)

12. During the formation of pyridine HNO₃ and Ce(IV) are both suitable _____ agents

14. He invented the 4n+2 rule