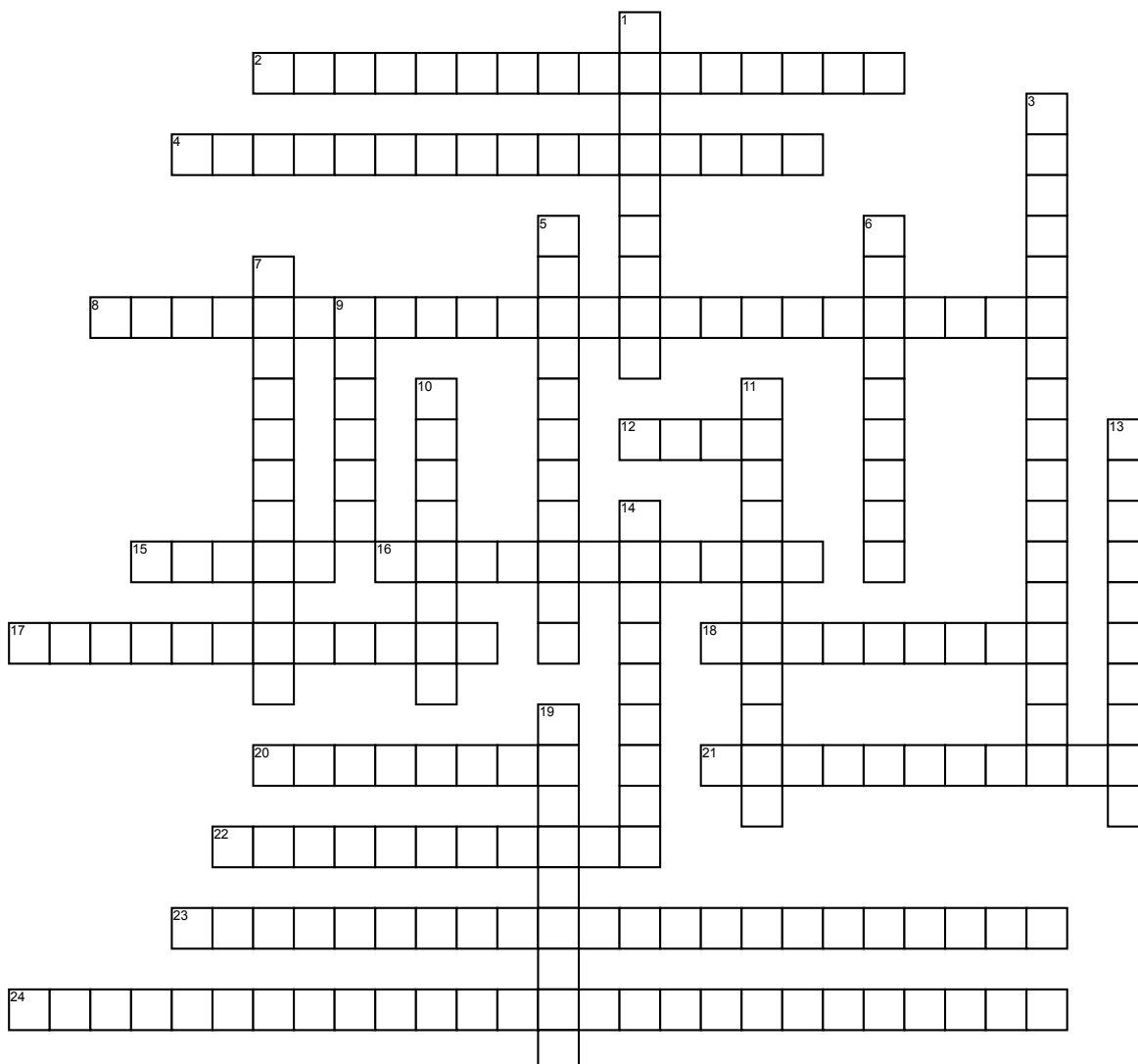


Name: _____

Aromatic Chemistry Crossword



Across

2. Acts as a "Road Block" for resonance forms to be created
 4. Groups that tend to increase the rate of electrophilic aromatic substitution
 8. What kind of reaction does Pyridones undergo with POCL₃
 12. The name given to a 1,4-disubstituted benzene
 15. A heterocyclic aromatic compound consisting of 4 carbon atoms and 1 oxygen atom
 16. Overlap of more than 2p orbitals in an acyclic or cyclic system
 17. A reduction reaction that uses BASIC conditions to convert an aldehyde or ketone to an alkane
 18. The name of the reaction where the diazonium ion reacts with cuprous salt

20. a very unreactive aromatic imine and foul smelling

21. What compound is created when benzene diazonium chloride reacts with KI at a 25-100°C

22. Used to show the movement of an electron pair

23. A reaction which involves the addition of an acyl group to an aromatic compound
 24. The mechanism for the Nitration of Benzene

Down

1. The electrophile/ion that is produced during the nitration of benzene
 3. The catalyst needed for the acylation of an aromatic compound
 5. The number rule that will estimate whether a planar, cyclic and conjugated compound will exhibit aromatic properties

6. Two molecules that have the same molecular formula but have a different structural formula

7. The product produced in the oxidation of aromatic alkenes (except tertiary alkenes!) with KMNO₄

9. Any compound that has a hydroxyl group which is directly attached to the benzene ring

10. Compounds that can undergo polybromination with the addition of Br₂

11. The positively charged ion created during electrophilic aromatic substitution

13. A reduction reaction that uses ACIDIC conditions to convert an aldehyde or ketone to an alkane

14. The reagent needed to create Thiophene from hexane-2,5-dione

19. The component that allows for several Lewis structures to be formed through the delocalisation of electrons