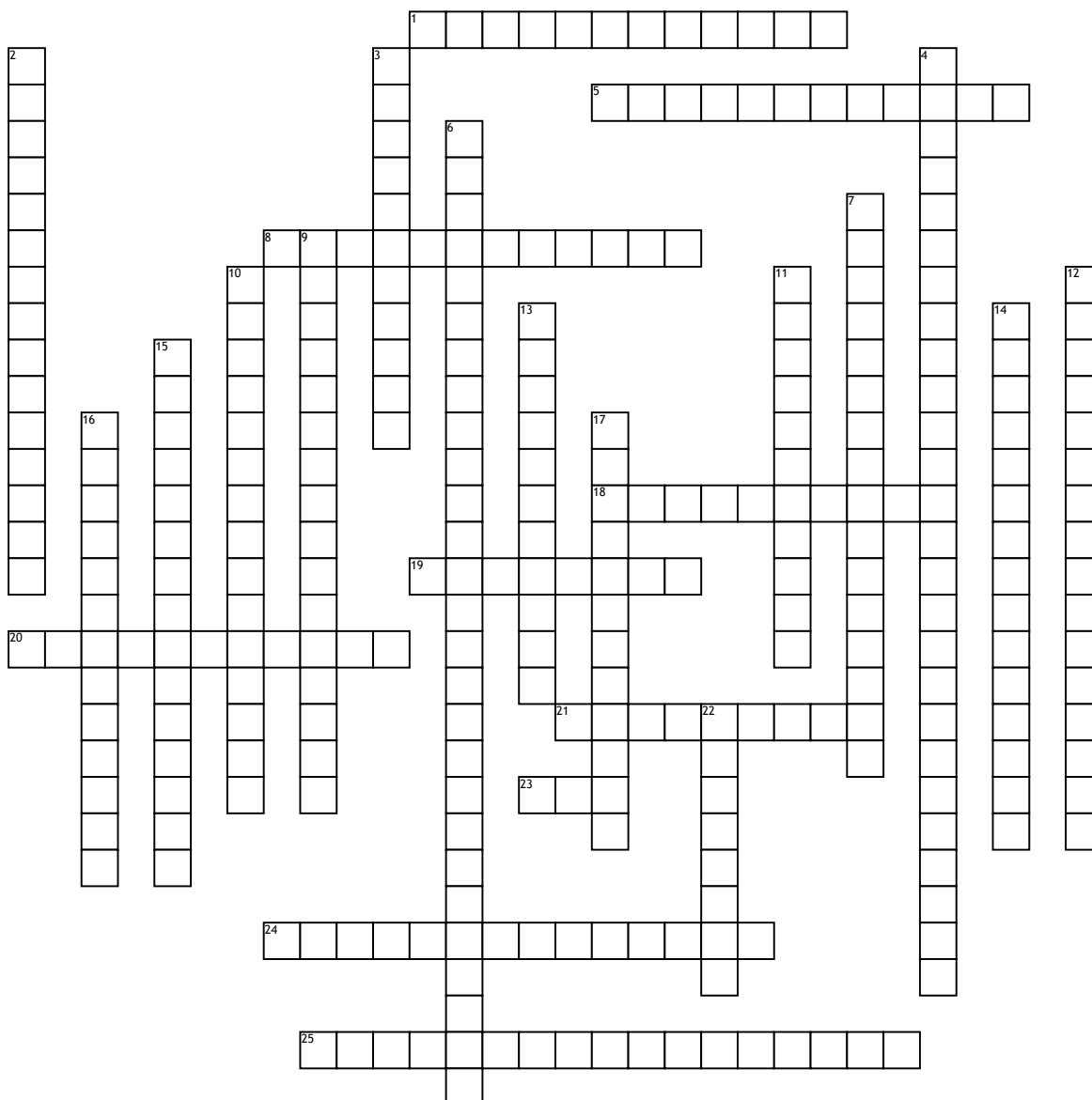


Name: _____

Organic Chemistry Crossword



Across

1. Replacement of one group by another
5. In a substitution reaction this is the species that leaves the parent molecule
8. In the elimination reaction 1, what does the nucleophile act as
18. This is a process that an atom or a molecule that would have a negative or positive charge by gaining or losing electrons
19. When drawing radical reactions instead of normal double-headed arrows we use - - - / - - - arrows.
20. An organic chemical reaction, where atoms are removed from a molecule
21. The reactant, the chemical component that is acted upon and changed due to the reaction
23. Name a place in biochemistry where an SN2 reaction occurs
24. Changes that take place in a reaction also can be an indication to how the reaction took place

25. In the addition reaction, what is the name of the rule that says the "most substituted halide is formed from the addition of H-X to an alkene"

Down

2. The SN2 inversion is also known as
3. When two radicals come together we call this - - - - -
4. Which elimination reaction forms the least stable alkene
6. Which elimination reaction forms the most stable alkene
7. Molecular bromine and chlorine add to alkenes to give _____
9. They are more substituted this means they are more stable for example carbocations
10. The effect of the _____ can lead to destructive mutation
11. An ion with a positively charged carbon atom

12. A function that is mathematical function which is able to describe a type of wave behavior of an electron in a molecule as well as the location
13. A 'nucleus loving' molecule, a reactant which provides an electron pair for the formation of a new covalent bond
14. In a compound this is what is known as the spatial arrangement of atoms and groups and their relation to the compound's properties
15. The name of step when 2 radicals come together
16. This is when atomic orbitals fuse to form a newly hybridized which then are able to influence bonding properties as well as molecular geometry
17. _____ reaction is where only one reacting molecule participates
22. Which type of substrate is effective with SN1 reactions and ineffective with SN2?