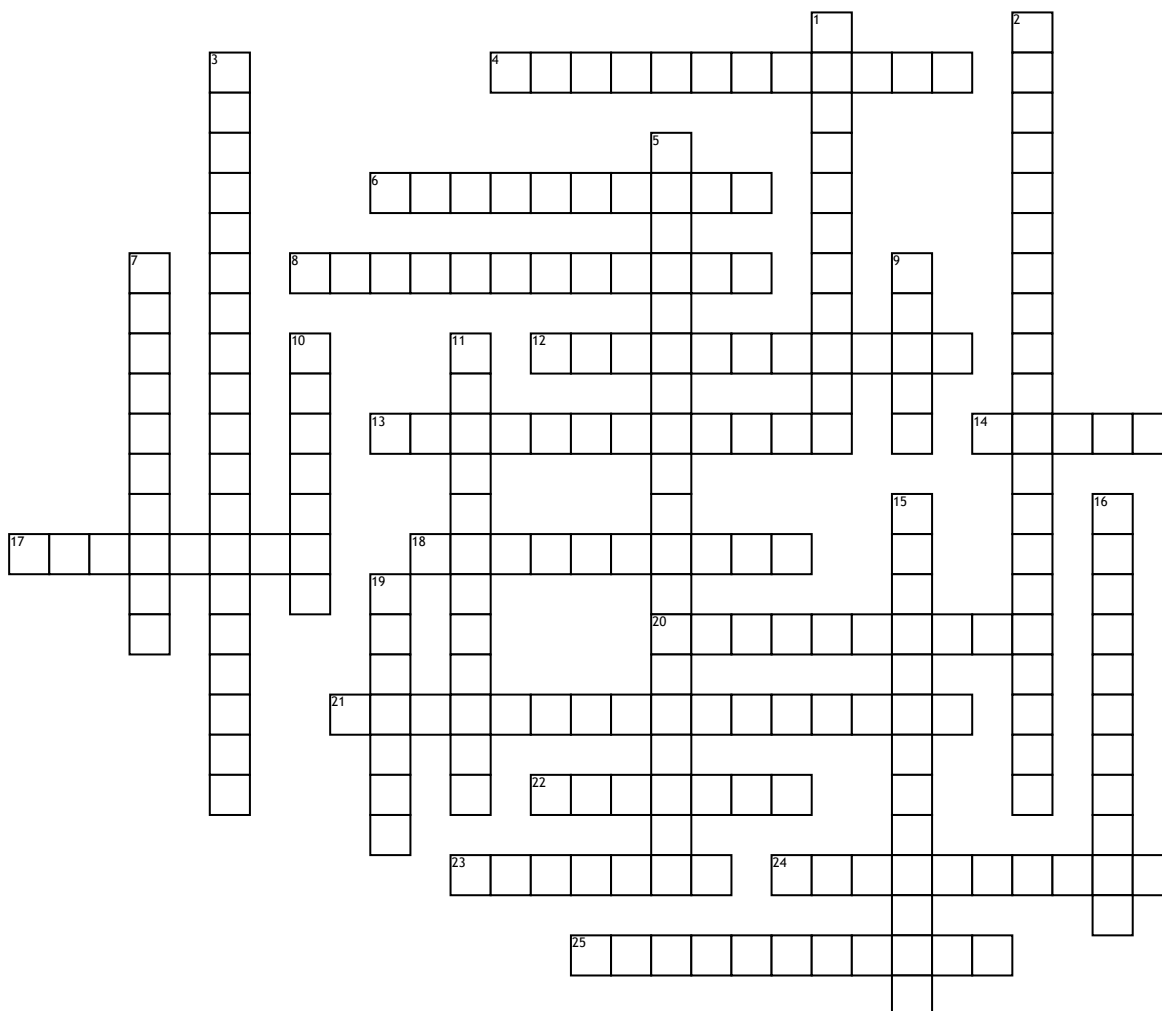


Name: _____

Organic Reaction Mechanisms



Across

4. In dehydrohalogenation reactions, the preferred product is the alkene that has the greater number of alkyl groups attached to the double bonded carbon atoms.

6. Name the first step in a radical reaction

8. An atom or group atoms which breaks away from the rest of the molecule

12. A molecule that contains at least one unpaired electron

13. Replacement of one group by another

14. Sn1 is given by a

17. A class of chemical reactions in which an atom or group of atoms is added to a molecule

18. A reaction that proceeds at a rate that depends on one reactant concentration

20. Reactions transfer energy to the surroundings and the temperature of the surroundings increase.

21. When the reaction chooses one product to produce exclusively

22. A molecule that contains at least one unpaired electron

23. A term used to describe alkenes

24. Name a factor influencing direction of substitution reaction

25. The rule which states that the more substituted a carbocation is, the more stable the molecule is

Down

1. The addition of a proton or hydrogen cation

2. Reaction involving a change in only one molecule of ionic structure.

3. The slowest step in a mechanism is known as...

5. The chemical combination of two molecular entities in a reaction that can be considered either reversible or irreversible

7. The radical formation step

9. Sn2 is given by a R group

10. A substance in which other materials dissolve to form a material

11. Replacement of one group by another

15. The removal of a proton in an acid-base reaction

16. Reactions take in energy and the temperature of the surroundings decreases

19. A mixture that has equal amount of enantiomers