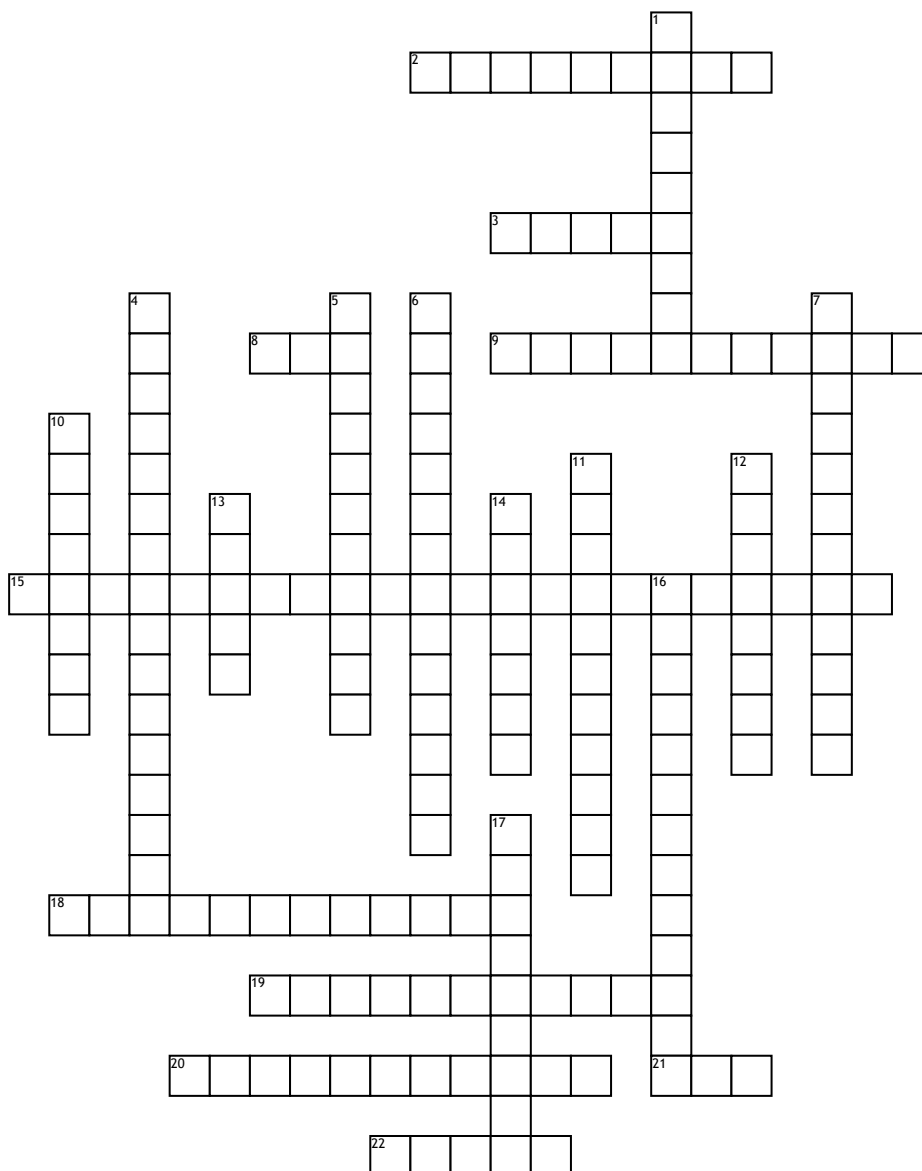


Name: _____

Date: _____

Carbonyl Chemistry



Across

2. Principle of bonding between multiple structures
 3. Which molecule destroys the organometallic reagent?
 8. How many carbonyl stretches to anhydrides usually give?
 9. The carboxylate anion can act as a...
 15. Compounds which contain carbon metal bonds
 18. Simplest Carbon compound
 19. Reduces double bond character of a carbonyl group
 20. Strong bond, hard to stretch and takes up more energy

21. type of hybridisation in a carbonyl group

22. Acid + alcohol produces

Down

1. Two acids without a water molecule
 4. An increase in energy to excite the vibration causes...
 5. Reducing the double bond is known as...
 6. It is sp^2 hybridised and molecule is flat
 7. Widely used to methylate carboxylic acids and form esters
 10. A physical property of carbonyl compounds

11. Molecules that have four electron groups around their central atom

12. What complementary H-bonding sites of carboxylic acids do in solution?

13. Spectroscopy of carboxylic acids O-H stretch is

14. Reagent used to perform addition reactions to carbonyls

16. Differ from acids by having a leaving group in place of the OH functionality

17. Amide with a boiling point of 221.1 C