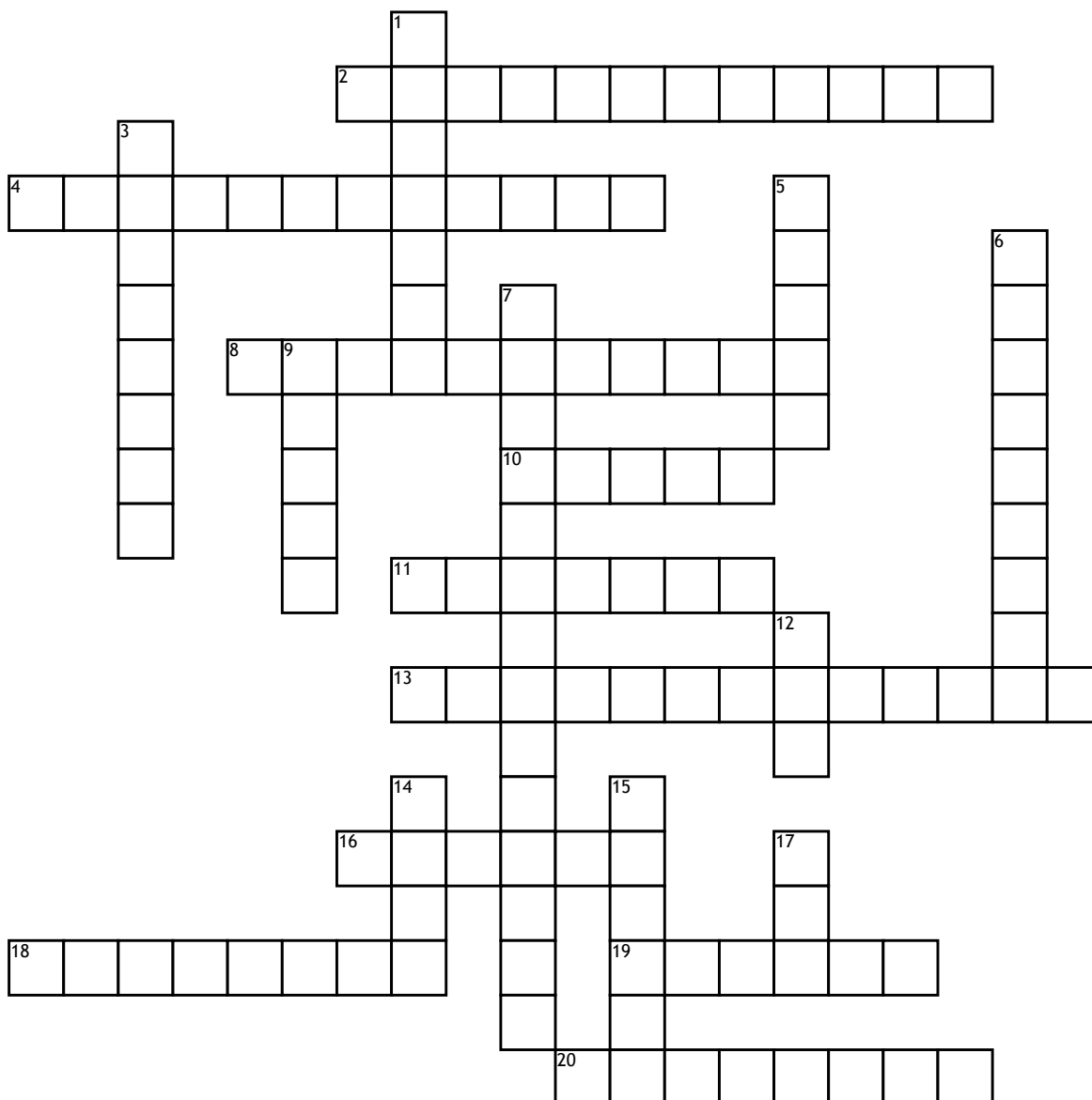


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# organic chemistry



## Across

2. Which will be most soluble in water? Hexanoic acid, Hexane, Ethanoic acid
4. Which is the most sustainable way to make ethanol?
8. what is an alkane starting with a c
10. Alkenes undergo addition reactions with bromine, hydrogen and...?
11. what is one of the products of the fermentation of glucose
13. During fermentation, what other product is made as well as ethanol?(2 words)
16. what is the name of the alkane which has the formula C<sub>4</sub>H<sub>10</sub>?

18. what do you call a reaction in which two or more compounds combine to form only one compound

19. Ethanol can be made by reacting steam with a hydrocarbon. Which one?

20. what is the alcohol with only 1 carbon atom in it

## Down

1. Which type of alcohol is present in beer, wine and vodka?

3. what is the breaking down of long chained alkanes to alkenes and shorter-chained alkanes

5. Copper imparts a characteristics \_\_\_ color to a nonluminous flame

6. what do you call an organic compound containing only single bonds

7. What catalyst is used in the direct hydration of ethene to form ethanol? (2 words)

9. What micro-organism is used in fermentation to produce ethanol?

12. How many dichlorinated isomers can be formed by the halogenation of CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub> with Cl<sub>2</sub> in the presence of light?

14. Alkanes are generally unreactive apart from when they?

15. what alkene has the formula C<sub>6</sub>H<sub>12</sub>?

17. How many carbon atoms does methanoic acid have in each molecule?