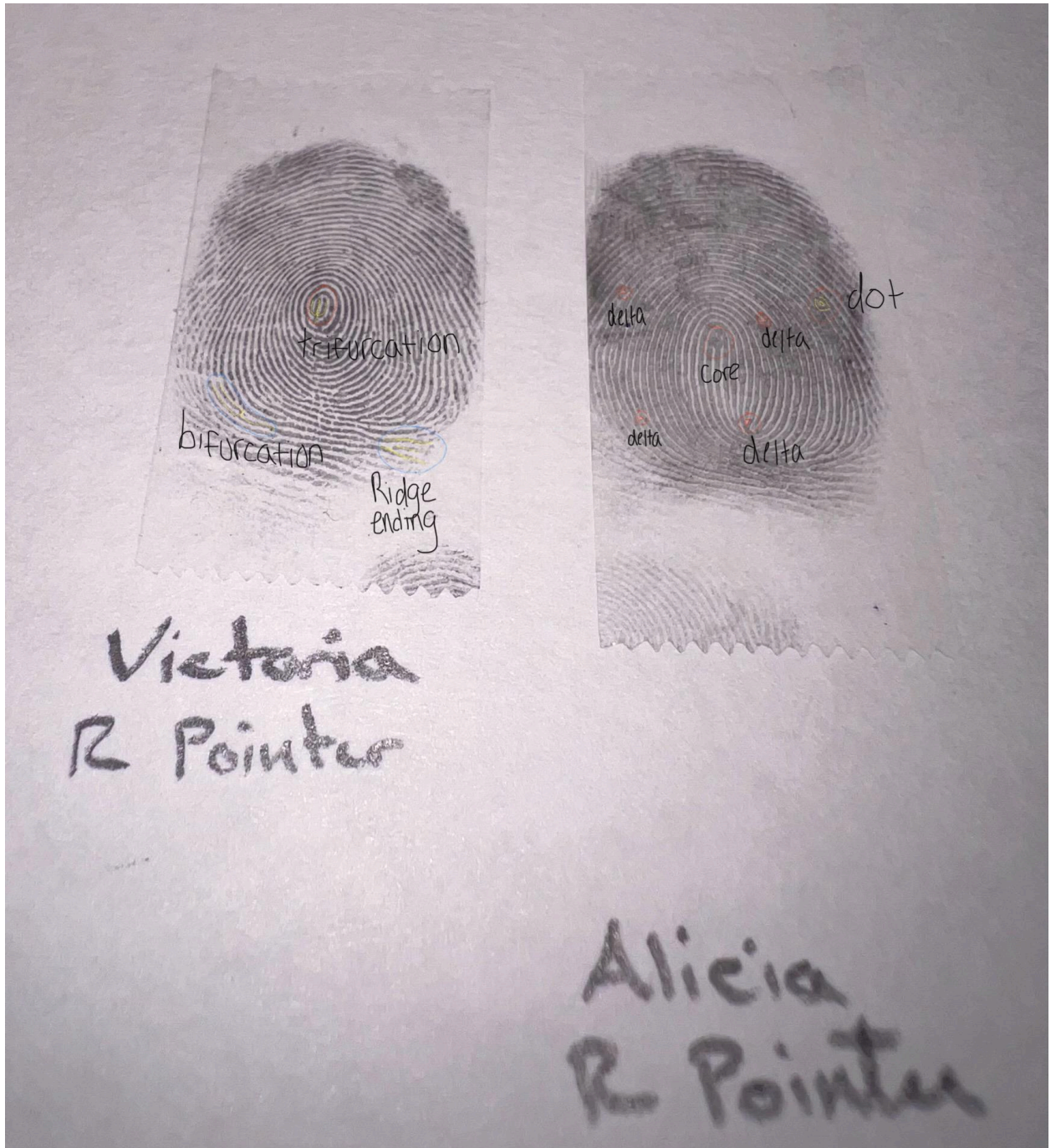


Fingerprints

My proposal for Mathemalchemy is to propose an enhancement or just to add a new touch. I want to show infinity in mathemalchemy and a great way to do that is by adding fingerprints. I am going this route because I am majoring in Criminal Justice with a high interest in evidence and a main peice in evidence is fingerprinting. Fingerprinting in the U.S can date back to as early as 1902. It can prove or disprove someones identity as well as connect a person to a crime or crimes. It is also considered reliable evidence and it is admissible in court meaning it is relavant and reliable to the case. It is not so much about having an infinite number of fingerprints in Mathemalchemy but the idea that the fingerprints represent infinity. This is because no two fingerprints are the same, they are unique. This uniqueness is why fingerprints are considered a reliable method for identification. Even when looking at identical twins you will see that not even they will have the same fingerprints.



I am lucky enough to have identical twins as my teammates so I had them send in their fingerprints to show! On the left, Vic has a whorl while Alicia has a loop fingerprint. That is just the most obvious difference but if you are looking closely and know what to look for you will find that there is

The reason behind their uniqueness is said to be genetic as well as environmental factors, it all causes the different patterns of arches, loops, and whorls. All of this ties back into infinity because there can be an infinite amount of fingerprints produced.

Now for putting this into mathematical chemistry, my idea is that we have multiple people stamp their fingerprints and put them around in different places. This would work best if people use the same finger so people can see how truly different they are. After stamping you will be able to see the different patterns and if you look close you will see all the different characteristics. In this result it will begin people looking at their own fingerprints and realizing that they can not be matched to anyone else's.

Now if you all would like to take your fingerprints it is very simple. All you need is a pencil, paper, and tape. You just take your pencil and draw over the same spot on the paper till it is quite covered. You will then rub your finger in the spot where you drew until the pencil marking are all on your fingertip. You then will take your piece of clear scotch tape and put it on the finger and press it down. After take the tape off and lay it on the paper and you should be able to see your fingerprint!