

Q1.

Welcome to the research study!

We are interested in understanding the impact virtual reality has on understanding chemistry. You will be presented with information relevant to your experience using virtual reality in Marston Science Library and asked to answer some questions about it. Please be assured that your responses will be kept completely confidential.

The study should take you around 10 minutes to complete, and you will receive no incentive for your participation. Your participation in this research is voluntary. You have the right to withdraw at any point during the study, for any reason, and without any prejudice. If you would like to contact the Principal Investigator in the study to discuss this research, please e-mail Samuel Putnam at srputnam@ufl.edu.

By clicking the button below, you acknowledge that your participation in the study is voluntary, you are 18 years of age, and that you are aware that you may choose to terminate your participation in the study at any time and for any reason.

Please note that this survey will be best displayed on a laptop or desktop computer. Some features may be less compatible for use on a mobile device.

- I consent, begin the study
- I do not consent, I do not wish to participate

Block 1

Q2.

Did you experience any barriers that kept you from being able to complete the virtual reality experience?

- Yes
- Maybe
- No

Q2a.

In your own words, describe the barriers you experienced.

NOTE: You are not required to share any information related to a disability, neurodiversity, or other personal information. If you choose to share that information, keep in mind this survey is anonymous.

Block 2

Q3.

This question has two (2) parts:

1. Which of these visualization tools have you used while studying chemistry? **Move each option into the corresponding box.**
2. Once each item has been placed in the corresponding box, **Rank the tools you have used in order of most valuable to least valuable in understanding chirality.**

Items	Have Used
Drawings	
Ball and Stick Models	
Computer Program (not VR)	
Virtual Reality	
	Have NOT Used

Block 2

Q6. Do you believe that manipulating the molecules in the virtual reality experience improved **your ability to make R/S assignments**?

Yes

No

Q10.

Please explain your answer.

Q8. Do you believe that manipulating the molecules in the virtual reality experience improved **your understanding of the non-superimposibility of enantiomers**?

Yes

No

Q11.

Please explain your answer.

Q9. Do you believe that manipulating the molecules in the virtual reality experience improved **your ability to mentally visualize molecules**?

Yes

No

Q12.

Please explain your answer.

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