



## OBSERVING CHEMICAL REACTIONS IN MICROGRAVITY



**SCHOOL:** ARAGON HIGH SCHOOL

**LOCATION:** SAN MATEO, CA

**FLIGHT PROVIDER:** BLUE ORIGIN

**GRADES:** HIGH SCHOOL

### STUDENT EXPERIMENT DESCRIPTION

We are testing catalyst efficiency in microgravity by breaking down hydrogen peroxide into water and oxygen, catalyzed by potassium iodide. Our experiment uses a spring system to cause the reaction to occur when microgravity starts. To measure our reaction rate, we will record distance, temperature, and pressure. We hope that this experiment will help us understand more about how a framework for chemical reactions in space should be designed, or at least highlight issues to further explore.