



Colorado Science and Engineering Fair

2024 Individual Project Abstract Form

Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook and submit 1 copy to your Regional Fair Director with your other paperwork.

Title of Project: Corrosion Conundrum

Finalist's Name: Azucena Perez

School and City: Lamar Middle School, Lamar

Sponsor's Name: Robin Staker

Category: Chemistry (CHEM)

Division: Junior (6th - 8th grades)

Abstract (250 words or less):

My project is about corrosion and how much corrosion each liquid can cause. My hypothesis was if the pH is 5 or lower then it will affect the amount of corrosion more than other substances. My procedure was to submerged metal strips for 12 days in a closed container with various liquids. After 12 days I measured pH's and the amount of corrosion on each metal piece. I found out that Orange Juice had the most corrosion mostly because of the amount of water it has. The top 3 liquids Orange Juice, Tea, and Coke had over 90% of water. Orange juice had the most amount of corrosion and Lemon Juice had the least.

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Finalist's Signature:

Azucena Perez

Date:

3/24/2024

In addition, all students must complete the ISEF Student Checklist (1A), Research Plan, Approval Form (1B), and Checklist for Adult Sponsor (1), and any other ISEF forms required for this type of project. See the International Rules and Guidelines for form requirements. Return COPIES of all of these forms to your Regional Fair Director with you Finalist Verification/Permission Form. A signed copy of this form must be included in your notebook.