

Elementary Science Bowl 2025

Coach Notes

This year, students will be conducting an experiment to investigate the Law of Conservation of Mass. Students will combine vinegar and baking soda to create carbon dioxide, sodium acetate, and water. They will measure the mass of the vinegar and baking soda separately, then will compare the mass of all three products at the end.

Common Errors

- 1. Not discounting the mass of the bowl when measuring out vinegar or baking soda**
- 2. Pouring the baking soda into the vinegar before the balloon is covering the opening of the water bottle**
- 3. Funnel is not completely dried, causing a reaction**