



Virginia Region II Annual Teacher Night at Jefferson Lab 2025

Activity Title: **Reaction In A Bag ~ Conservation of Mass Lab/Demo**

Type: Experiment

Grade Level: Grade 8

Time Allotment: 30-45 minutes

Objectives with Correlated SOLs:

SOL: PS.3 The student will investigate and understand that matter has properties and is conserved in chemical and physical processes. Key ideas include (d) balanced chemical equations model the conservation of matter.

Materials List (including equipment):

- Calcium Chloride
- Baking Soda
- Phenol Red Solution
- Quart size freezer bags
- Tablespoon Plastic Scoops
- Teaspoon Plastic Scoops
- Antacid Tablets/powder
- Glass Dropper Bottles
- Distilled water
- Plastic Squeeze Bottles

Teacher Contact Information:

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