

Collection Protection – Teachers' Guide

Book 2 Experiments

Experiment 1: Decaying Plant Material

- The beans that were exposed to light, heat, and water will decay faster.

Experiment 2: Iron Rust Experiment

- The nail exposed to water + oxygen and the nail exposed to water + acid will rust more quickly

Experiment 3: Calcium Carbonate Erosion

- The shell of the egg placed in vinegar will dissolve by the end of the experiment
- Rain contains a weak acid which erodes limestone

Experiment 4: Calcium Carbonate Erosion

- Sunlight will bleach the paper, fading the areas around the objects. When the objects are removed, a darker patch will appear beneath them on the paper.

Book 3 Preservation & Restoration

Bronze Age Cinerary Urn

- The urn was restored using white glue to make it obvious which parts of the urn are original and which are new.