# How does acid rain damage our buildings?

## Required materials

* 3 jars
* water
* vinegar
* chalk
* a kitchen scale
* a measuring cup

## 1. Questions before performing the experiment

1. Why do you think we used chalk to represent buildings?

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1. How can we mimic acid rain?

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1. Do you find buildings damaged by acid rain in the city where you live or somewhere you have visited? Where?

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## 2. Watch the first video and perform the experiment

Follow the steps outlined in the tutorial video.

Draw a diagram of your experiment in the box below.

## 3. Record your measurements

Fill the table.

|  |  |  |
| --- | --- | --- |
| Jar number | Content of the jar | Condition of the chalk |
|  |  |  |
|  |  |  |
|  |  |  |

## 4. Observations

Describe what happened during the experiment.

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## 5. Summary

Summarize the activity by answering the questions: why, what and how.

1. **Why** is the deterioration of monuments greater in some cities than in others?
2. **What** are the visible effects of acid rain on buildings?
3. **How** does acid rain damage the materials used in constructing buildings?

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