



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?

2. How can we mimic acid rain?

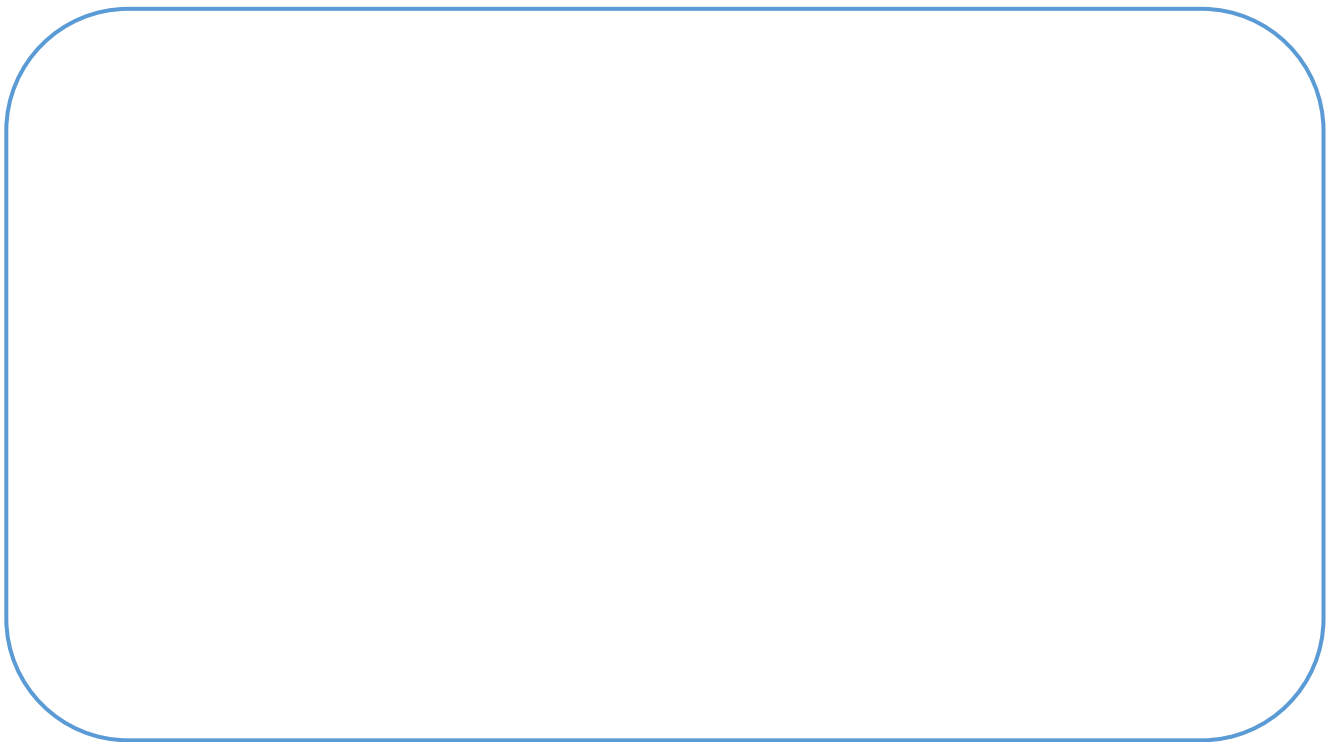
3. Do you find buildings damaged by acid rain in the city where you live or somewhere you have visited? Where?



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.

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?

