# How does acid rain affect plants?

## Required materials

* seeds (e.g. bean seeds or lentil seeds)
* 3 pots
* water
* vinegar
* pipettes (for the correct number of drops)
* soil

## 1. Questions before performing the experiment

1. What do plants need to grow?

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1. Why is rainwater slightly acidic, while pure water is neutral?

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1. What do you think will be the effect of watering plants with an acidic solution?

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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

Start recording observations on the day we add the vinegar solution.

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| --- | --- | --- | --- |
| **Date** | **Pot 1**  Watered with: | **Pot 2**  Watered with: | **Pot 3**  Watered with: |
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## 4. Observations

Describe what happened during the experiment.

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## 5. Reflect and discuss

List three things you can do to help combat atmospheric pollution in your everyday life.

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## 6. Summary

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

1. **Why** does acid rain occur?

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1. **What** are the consequences of acid rain in plants?

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1. **How** do we prevent acid rain?

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