# Rain Garden Observation Notebook

**Compare drainage time in three soil samples. Record what happened before deciding why.**

In this fictional classroom investigation, three equal containers hold sand, garden soil and clay-rich soil. Each receives the same water volume; students time the first 100 mL collected.

| Sample | Trial Times | Median |
| --- | --- | --- |
| Sand | 38 / 41 / 40 sec | 40 sec |
| Garden soil | 84 / 90 / 87 sec | 87 sec |
| Clay-rich soil | 165 / 172 / 168 sec | 168 sec |

## 240 mL

the same water volume for every sample

### Keep the Test Fair

Use the same container size, water volume and timing method. Repeat each sample three times. Describe any spills or delayed starts.

### Read the Pattern

Sand drained fastest in the sample results. The test measures this setup only; it does not establish how an entire garden will behave.

### Ask a Better Question

How would compaction change the result? Plan one change at a time and state which measurement would answer your question.

**Synthetic classroom observations · Follow your teacher's safety instructions.**