

W5L2 | Design a fair potato investigation

Wednesday | 09:30–10:10 | Explore | Depth route

Name: _____ Date: _____

Core first. Your teacher will select the questions that fit this lesson. Write, speak, point or dictate your own words. Keep your first attempt so you can improve it.

Work together

Choose the paper/sample route unless the approved practical has been arranged with suitable staffing and equipment.

Illustrative model/sample data - these are not measurements made by this class.

Solution label	Initial mass / g	Final mass / g	Change / g	Change / %
Water	4.00	4.40		
0.4 mol dm ⁻³ sucrose	4.00	4.00		
0.8 mol dm ⁻³ sucrose	4.00	3.60		

Route used: planning/sample data / approved practical. Record what actually happened.

1. These are illustrative sample data. Complete mass change and percentage change.

2. Name the independent variable, dependent variable and two controls.

W5L2 | Continue and improve

Depth route | Use after the core questions when directed

3. Some cylinders are not blotted. Explain the problem and a specific improvement.

Transfer challenge

Would one cylinder at each concentration show the spread of results?

Go deeper: State a limitation, assumption or condition in your explanation. Say what extra evidence would make it stronger.

Improve the same work

One correction I made, and why:

My request for next time: _____