

W5L2 | Design a fair potato investigation

Wednesday | 09:30–10:10 | Explore | Editable pupil sheet

Name: _____ Date: _____

Core first. Write, speak, point or dictate your own words. Keep the first attempt so you can improve it.

Optional support: Change = final mass minus initial mass. Percentage change = change ÷ initial mass × 100. Keep the + or - sign.

Work together

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

Illustrative model/sample data; 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 actually used: planning/sample data / approved practical

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

Use after the core questions when directed

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

Optional transfer

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

Depth: name an assumption or limit, then say what evidence would strengthen your answer.

Improve the same work

One correction I made, and why:

My request for next time: _____