

W5L1 | Membrane decisions

Monday | 09:30–10:10 | Introduce | 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: Name the substance that moves. Check which solution is more dilute. Add the membrane and net direction. Start: “Water moves...”

Work together

Draw a plant cell in each of three labelled surroundings: more dilute than its cell solution, equal, and more concentrated.

Your labelled sketch / arrows:

More dilute outside	Equal concentrations	More concentrated outside

1. Predict net water movement in the three cases, in order.

2. Explain why the potato may lose mass in a solution more concentrated than its cell solution.

W5L1 | Continue and improve

Use after the core questions when directed

3. If water can mix freely and there is no separating membrane, why is “osmosis” not the precise name?

Optional transfer

At equal concentrations, has water stopped moving?

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: _____