

W5L1 | Membrane decisions

Monday | 09:30-10:10 | Introduce | 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

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

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

Depth route | 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?

Transfer challenge

At equal concentrations, has water stopped moving?

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: _____