

# 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.

**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

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: \_\_\_\_\_