

W6L1 | Carrier and energy model

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 two equal-volume regions: 2 nitrate-ion counters outside and 8 inside, separated by a membrane.

Your labelled sketch / model

1. Which way is nitrate moving relative to its concentration gradient?

2. Name the mechanism and its energy source.

W6L1 | Continue and improve

Depth route | Use after the core questions when directed

3. If respiration is greatly reduced, predict the effect on nitrate uptake and explain.

Transfer challenge

Does a large surface area alone prove active transport?

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: _____