

W6L1 | Carrier and energy model

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

Standard route | Use after the core questions when directed

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

Optional transfer

Does a large surface area alone prove active transport?

Improve the same work

One correction I made, and why:

My request for next time: _____