

W4L2 | Build an alveolus explanation

Wednesday | 09:30–10:10 | Explore | Supported 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.

Your scaffold: Use three parts: the feature, what it changes, and how that affects diffusion. Start: “Thin walls help because...”

Work together

Sketch an alveolus next to a capillary. Label air and blood.

Gas	Alveolar air relative to arriving blood	Net direction
Oxygen	Higher	
Carbon dioxide	Lower	

Your labelled sketch / model

1. Complete both net-direction entries.

2. Explain how thin walls help oxygen uptake.

W4L2 | Continue and improve

Supported route | Use after the core questions when directed

3. Explain how blood flow helps maintain gas exchange.

Optional transfer

If the wall thickens, will extra ventilation necessarily restore the original exchange rate?

Build your response: Point to the evidence. Name the science idea. Link them using “because”. Ask for a visual cue before asking for a worked answer.

Improve the same work

One correction I made, and why:

My request for next time: _____