

W4L2 | Build an alveolus explanation

Wednesday | 09:30–10:10 | Explore | Editable pupil sheet

Name: _____ Date: _____

Core first. Write, speak, point or dictate your own words. Keep the first attempt so you can improve it.

Optional support: 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 / arrows:

1. Complete both net-direction entries.

2. Explain how thin walls help oxygen uptake.

W4L2 | Continue and improve

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?

Depth: name an assumption or limit, then say what evidence would strengthen your answer.

Improve the same work

One correction I made, and why:

My request for next time: _____