

## KEY FACTS

- Alveoli adaptations: large SA, thin walls, moist lining, good blood supply
- $O_2$ : alveoli (high) → blood (low).  $CO_2$ : blood (high) → alveoli (low).
- ★ SA:V ratio: smaller organisms can rely on diffusion; larger need specialised surfaces

## KEY TERMS

Alveolus	Tiny air sac — site of gas exchange in lungs
SA:V ratio	Surface area to volume ratio — determines diffusion efficiency

■ EXAM TIP: Four alveoli adaptations: large SA + thin walls + moist lining + good blood supply. All four for 4 marks.