

Organisms

3. Breathing

CONCEPT 2

TEST YOURSELF

GAS EXCHANGE

KNOW

- Q1 Why do we need to breathe in oxygen?
- Q2 What do we need to breathe out?
- Q3 Where does gas exchange take place in the lungs?
- Q4 Define 'gas exchange' in your own words.

APPLY

- Q5 Explain how the lungs are adapted to have a high surface area for gas exchange.
- Q6 Describe the structure of an alveolus.
- Q7 Explain how an alveolus is adapted to carry out efficient gas exchange.
- Q8 Describe the diffusion pathway in gas exchange in the lungs.

EXTEND

- Q9 Write the word equation for respiration.
- Q10 Produce a table that compares breathing with respiration.