



Ark St Alban's  
Academy

# How to Use Carousel

*Student Guide*

Applied Science

Biology

Chemistry

Physics

# Logging into Carousel



- Follow the link sent to you by your teacher (this will be posted on MS Teams)
- Type in the log in details provided by your teacher.  
Your first name starts with a number and a dash,  
for example 10-Ahmed

**TEST**  
QUIZ BY MS BARNARD

First Name

Last Name

**LOGIN**

# Logging into Carousel



- Revise allows you to practise the topics before having a go at your homework
- The revise mode does not count towards completing your homework, you must press “take test”
- Press take test to begin your homework

## TEST

QUIZ BY MS BARNARD

REVISE

TAKE TEST

# Answering the Questions – Test Mode



- Type your answers into the box provided
- When finished press “next”
- Your teacher will be able to see all of your responses so make sure you do this to the best of your ability

PROGRESS

0% COMPLETED

QUESTION 1 OF 5

Explain why xerophytes have a thick waxy cuticle

Xerophytes have a thick waxy cuticle to reduce water loss. The thick cuticle increases the diffusion distance, reducing the rate at which water can evaporate. The cuticle is hydrophobic and is therefore waterproof, making it impermeable to water.

247/500

NEXT

# Feedback on your Answers– Test Mode



- Read the correct answer
- If you have something similar, click “Yes I’m correct”
- If you were incorrect, click “No I was wrong”.
- It is important you are honest here – over time, Carousel will build up a picture of your strengths and weaknesses. We can use this to create you a **personalised** revision plan
- If you missed a significant portion of the answer, you should also click “I was wrong”

QUESTION 3 OF 5  
What is mass flow?

YOUR ANSWER  
The movement of particles from an area of high concentration to low concentration

CORRECT ANSWER  
The movement of a substance down a pressure gradient, from an area of high pressure to an area of low pressure

Based on the correct answer, do you think you have answered this correctly?

NO, I WAS WRONG

YES, I'M CORRECT

# Submitting Your Homework



SCORE 80% 4 CORRECT 1 INCORRECT

SUBMIT

✓ Explain why xerophytes have a thick waxy cuticle ✓

QUESTION 2 OF 5 ⓘ

✓ Describe and explain how the lungs are adapted to allow rapid exchange of oxygen between air in the alveoli and blood in the capillaries around them. ✓

QUESTION 3 OF 5 ⓘ

✓ A scientist investigated the effect of composition of air on breathing rate in insects. He changed the composition of air they inhaled by changing the concentrations of O<sub>2</sub> and CO<sub>2</sub>. The scientist collected three adult grasshoppers from a meadow. He placed the grasshoppers in a chamber which restricted their movement. The estimate does not provide a reliable value for the mean breathing rate of all insect species in the meadow. Other than being an estimate, suggest and explain three reasons why. ✓

QUESTION 4 OF 5 ⓘ

✓ Give examples of risk factors for lung disease ✓

QUESTION 5 OF 5 ⓘ

✗ What is mass flow? ✓

- You must press the **submit** button on the final screen for Carousel to register your homework as completed
- Failing to do this will result in you getting put in intervention as your teacher will not be able to see your answers!

# Improve your homework score



## TEST

QUIZ BY MS BARNARD

REVISE

SEE YOUR RESULTS

RETAKE

- Press “retake” after receiving your results if you would like another go!