

## Learning Objective 1

To apply your knowledge of IGCSE and IAS biology concepts to IAL past paper questions.

### Big Question:

Are there any completely natural climax communities left today?

## Success Criteria

To analyse experimental data and carry out calculations.

To construct line graphs using an appropriate linear scale.

To recall the role of cellular organelles.

Increasing Challenge-Bloom's Taxonomy

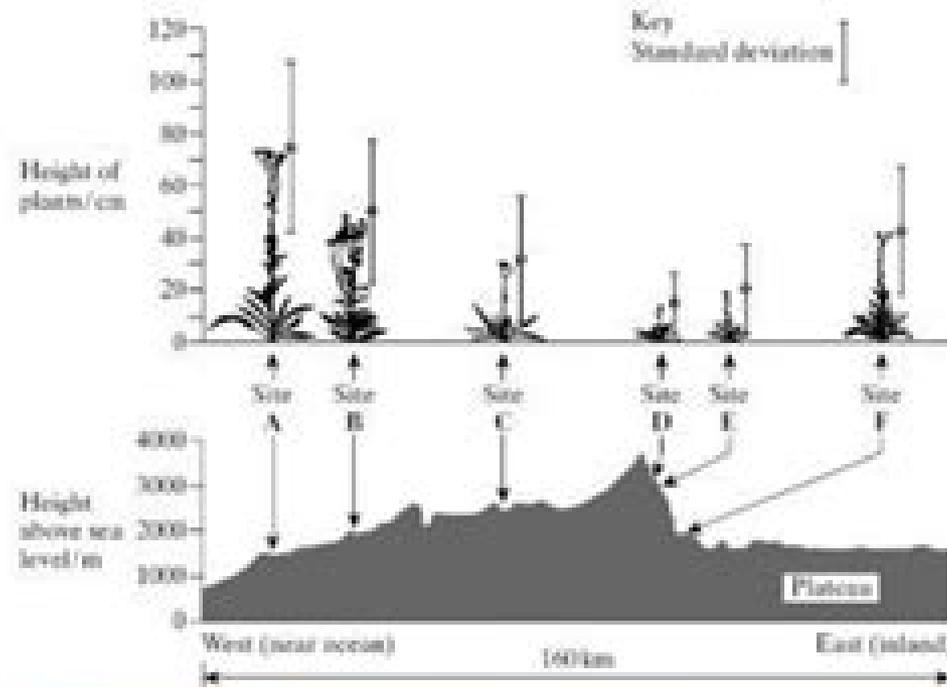
# Baseline Assessment

## Quick Questions to get you thinking

Climatic factors, such as temperature and rainfall, vary greatly over short distances across mountain ranges. In an investigation, populations of the plant, *Achillea lanulosa*, were sampled from several sites on a transect across a mountain range. At each sampling site, seeds were collected at random. Each batch of seeds was germinated and grown to maturity under the same experimental conditions.

The diagram shows

- a profile indicating the position and altitude of the sampling sites
- the mean height of mature plants grown from each sample of seeds
- the standard deviation of heights of the mature plants grown from each sample of seeds.



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W

**WOW words:** Limiting factor, selection, niche, competition.



# Aqa A Level Biology Outstanding Teaching And Assessment

**Glenn Toole, Susan Toole**



## **Aqa A Level Biology Outstanding Teaching And Assessment:**

**The School Science Review**, 2005      **AQA A-level Biology Student Guide: Practical Biology** Jo

Ormisher, 2017-07-24 Exam Board AQA Level AS A level Subject Biology First Teaching September 2015 First Exam June 2016 Ensure your students get to grips with the core practicals and develop the skills needed to succeed with an in depth assessment driven approach that builds and reinforces understanding clear summaries of practical work with sample questions and answers help to improve exam technique in order to achieve higher grades Written by an experienced teacher this Student Guide for practical Biology Help students easily identify what they need to know with a concise summary of required practical work examined in the A level specifications Consolidate understanding of practical work methodology mathematical and other skills out of the laboratory with exam tips and knowledge check questions with answers in the back of the book Provide plenty of opportunities for students to improve exam technique with sample answers examiners tips and exam style questions Offer support beyond the Student books with coverage of methodologies and generic practical skills not focused on in the textbooks      *Aiming for an A in Biology A-Level* Jo Ormisher, 2018-06-29      [Aqa Biology a Level](#) Glenn Toole, Susan Toole, 2015-04-01 Fully revised and updated for the new linear qualification written and checked by curriculum and specification experts this Student Book supports and extends students through the new course while delivering the breadth depth and skills needed to succeed in the new A Levels and beyond      **AQA A Level Biology (Year 1 and Year 2)** Pauline Lowrie, Mark Smith, 2019-07-29 Develop experimental analytical and evaluation skills with topical biology examples practical assessment guidance and differentiated end of topic questions in this updated all in one textbook for Years 1 and 2 Written for the AQA A level Biology specification this revised textbook will Provide support for all 12 required practicals with plenty of activities and data analysis guidance Develop understanding with engaging and contemporary examples to help you apply your knowledge analyse data and evaluate findings Give detailed guidance on the mathematical skills needed with support throughout examples of method and a dedicated Developing mathematical skills chapter Offer regular opportunities to test understanding with Test yourself questions differentiated end of topic questions and Stretch and challenge questions Support exam preparation with synoptic questions revision tips and skills Develop understanding with free online access to Test yourself answers Practice question answers and extended glossaries      **Oxford International AQA Examinations: International A Level Biology** Susan Toole, Glenn Toole, Fran Fuller, 2016-10-13 The only textbook that completely covers the Oxford AQA International AS A Level Biology specification 9610 for first teaching in September 2016 Written by experienced authors the engaging enquiry based approach ensures a thorough understanding of complex concepts and provides exam focused practice to build assessment confidence Help students to develop the scientific mathematical and practical skills and knowledge needed for assessment success and the step up to university It ensures that students understand the bigger picture supporting their progression to further study with synoptic links and a focus on how scientists

and engineers apply their knowledge in real life

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**A/S Level Biology Aqa Evaluation** Harcourt Education,

**As Biology Aqa A Revision Guide** CGP Books, Richard Parsons, 2008-06-01 AS Level Biology AQA Complete Revision Practice

**AQA a Level Biology Year 2 Student Book** Mike Boyle, 2016-05-18 Exam Board AQA Level Subject A level Biology First teaching September 2015 Next exams June 2023 AQA approved Written by our expert authors for the 2015 AQA specification this Student Book covers Year 2 of the A level Biology course It combines the most detailed explanations with features that build skills in practical work maths and evaluation With a clear path of progression it will prepare you for the demands of A level and beyond This Student Book will prepare you for assessment with key ideas summaries and practice questions designed for the linear course build your confidence in tackling the mathematical requirements with worked examples targeted assignments and a dedicated Maths Skills chapter strengthen your practical skills with comprehensive Required Practical sections featuring step by step instructions and advice about how best to avoid common errors deepen your understanding of biology and equip you for further study using comprehensive explanations skills focused assignments and inspiring real life contexts extend your knowledge and skills with specially designed Stretch and Challenge questions

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