

INTERNATIONAL GCSE SCIENCE (SINGLE AWARD)

ACTIVITY 2 - BIOLOGY

Practical skills are tested through Practical Design ("CORMS") questions.

Change (control)	range of values / with and without factor present (independent variable)
Organism (biotic)	species / size / age / sex (controlled variable)
Repeat	more than one reading (reliability)
Measure (precise / accurate)	<ul style="list-style-type: none">- What to measure- How to measure it (dependent variable)
Same (abiotic)	e.g. temperature / light intensity / water / nutrients (controlled variable – validity)

e.g. Design an experiment to show that...

- ... adding vitamin D improves the growth of chickens.
- ... biological washing powder removes stains better than ordinary washing powder.
- ... training at altitude increases the number of red blood cells in the plasma of athletes.
- ... a new fertiliser improves the growth of a plant.

Your task

Write a mark scheme for this question:

Describe an experiment you could carry out to determine the effect of pH on the rate of digestion by amylase.