EZY SCIENCE

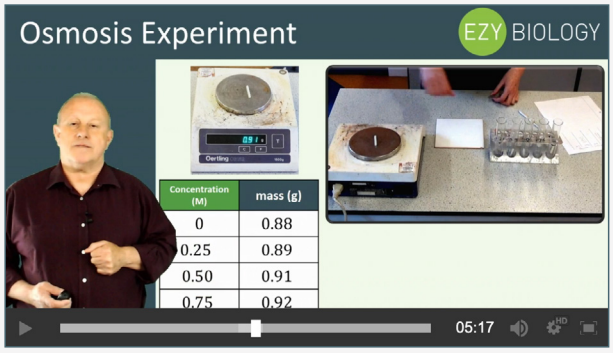
EZYSCIENCE OSMOSIS PRACTICAL RESOURCES

A complete virtual teaching model for every required practical for GCSE and iGCSE Science.

THE EXPERIMENT

CLICK TO SEE VIDEO

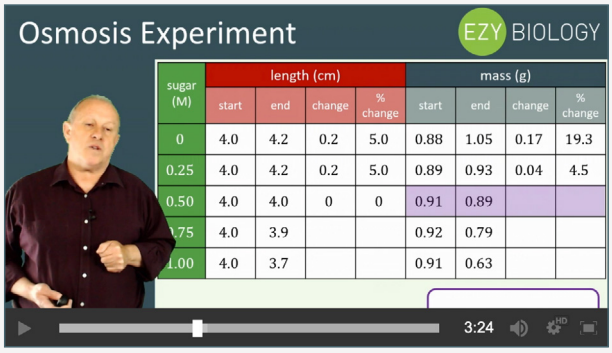
This video explains the process of osmosis. It then also outlines the equipment required for the **Osmosis Required Practical**. In the video, Katherine prepares her potato cylinders, records her initial measurements and places them in different concentrations of sugar solutions. The results are collected and recorded within a table.



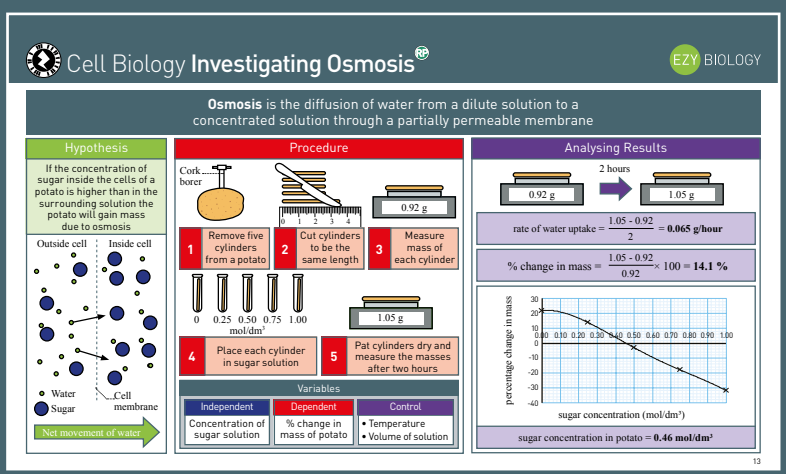
ANALYSING THE RESULTS

CLICK TO SEE VIDEO

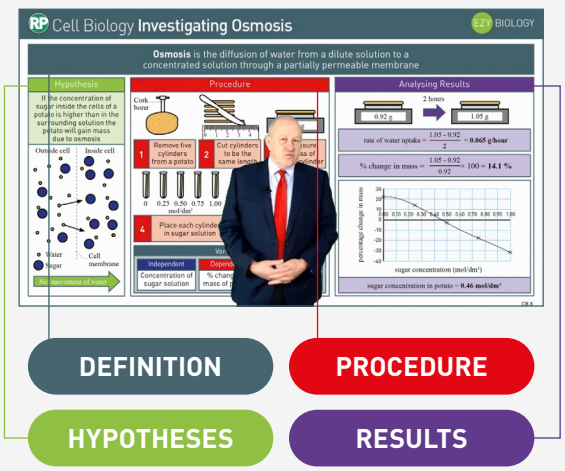
This video uses the results table produced by the end of the first video and begins by calculating the changes and percentage of the lengths and masses of the different potato cylinders. We then showcase how to use these results to plot a graph. The video finishes by using this graph to estimate the sugar concentration of the potato.



RECAP THE KEY PARTS OF THE REQUIRED PRACTICAL WITH OUR **SHORT RECAP VIDEOS**



CLICK TO SEE RECAP VIDEO



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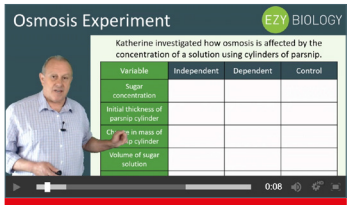
OSMOSIS PRACTICAL ASSESSMENT PREVIEW SHEET

Click **Feedback Video** under each question for individual question feedback.

Q1 — 3 MARKS

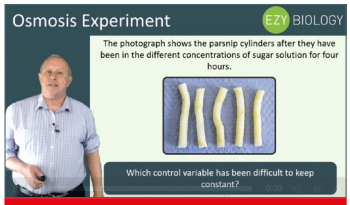
Watch the video question and identify the main variables in this experiment.



Q1 FEEDBACK VIDEO

Q2 — 1 MARK

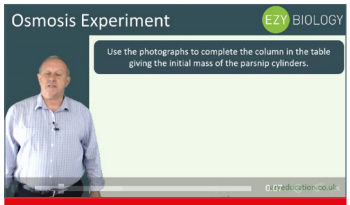
Identify the control variable used in the image of the practical.



Q2 FEEDBACK VIDEO

Q3 — 1 MARK

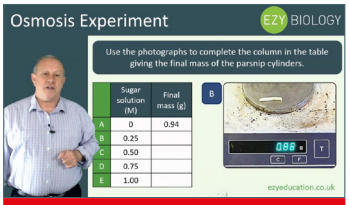
Read the balance readings and record the initial results in the table given.



Q3 FEEDBACK VIDEO

Q4 — 2 MARKS

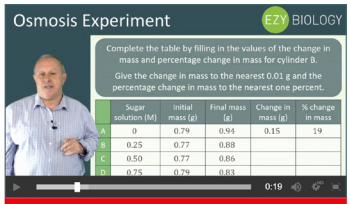
Read the balance readings and record the results in the table given.



Q4 FEEDBACK VIDEO

Q5 — 2 MARKS

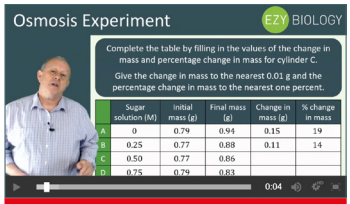
Calculate the change and percentage change in mass of an object to the nearest percent.



Q5 FEEDBACK VIDEO

Q6 — 1 MARK

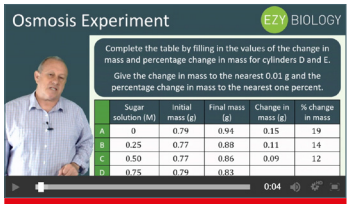
Calculate the change and percentage change in mass of an object to the nearest percent.



Q6 FEEDBACK VIDEO

Q7 — 2 MARKS

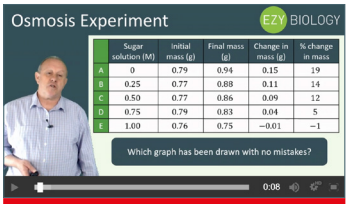
Calculate the change and percentage change in mass of an object to the nearest percent.



Q7 FEEDBACK VIDEO

Q8 — 2 MARKS

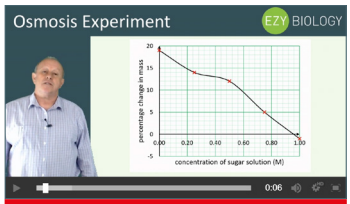
Identify the graph that has been plotted correctly from the table of results.



Q8 FEEDBACK VIDEO

Q9 — 2 MARKS

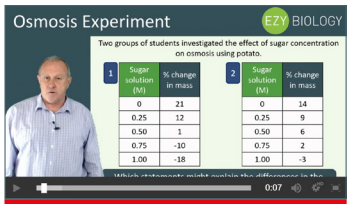
Identify the sugar concentration by reading the value off the graph.



Q9 FEEDBACK VIDEO

Q10 — 1 MARK

Analyse the results of two separate experiments and analyse the difference in results.



Q10 FEEDBACK VIDEO

EXPLAIN

A complete virtual teaching model for every required practical.

ASSESS

Assess strength of understanding via application challenges.

CEMENT

Application explanations to cement understanding.

EZY EDUCATION

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