OSMOSIS
REQUIRED PRACTICAL

AQA ♥

AIM
To investigate the effect of osmosis on potato cells.

METHOD

1 **CUT** potato into equal-sized cylinders.

Distilled Water | 0.5M Sugar | 1.0M Sugar

2 **PREPARE** different sugar solutions.

3 **MEASURE** and record the mass of each potato piece.

12.5g

4 **PLACE** potato pieces into each solution.

5 **LEAVE** for 20–30 minutes.

6 **REMOVE, DRY** and **RE-WEIGH** the potato pieces.

10.3g

CALCULATE: PERCENTAGE CHANGE IN MASS

$$\% \text{ Change in Mass} = \frac{\text{Final Mass} - \text{Initial Mass}}{\text{Initial Mass}} \times 100$$

Draw Conclusions! ?

Did the mass increase or decrease?

What does this tell us about **osmosis**?