

WJEC England Biology GCSE

SP7.1 - DNA Extraction

Flashcards



Why are strawberries selected for this practical?



Why are strawberries selected for this practical?

They have a large genome.

They are soft and hence can be broken down easily.



What is the purpose of adding washing-up liquid?



What is the purpose of adding washing-up liquid?

To break down the phospholipid membranes.



Why is salt added?



Why is salt added?

To neutralise the negative charge of the phosphates in DNA, hence lowering its solubility to be precipitated out.



Why is iced ethanol added?



Why is iced ethanol added?

The solubility of DNA is lower in ethanol and in cold temperatures, hence this allows DNA to be precipitated out.

