



Enzymes

Science – Junior Cert

Quick Notes

Enzymes

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- **Enzyme:** a biological catalyst
- **Catalyst:** substance that speeds up a chemical reaction but is not used up in the reaction

The Action of Amylase on Starch

- **Substrate:** the substance the enzyme works on e.g. starch in potato
- **Enzyme:** e.g. amylase in saliva
- **Product:** e.g. glucose
- Take two samples of starch dissolved in water
- Mix one sample with amylase
- Place both in a water bath at 37°C for ten minutes
- Test both for glucose using Benedict's solution
- **Result:** glucose present in tube containing amylase
- **Conclusion:** amylase breaks starch down to glucose

