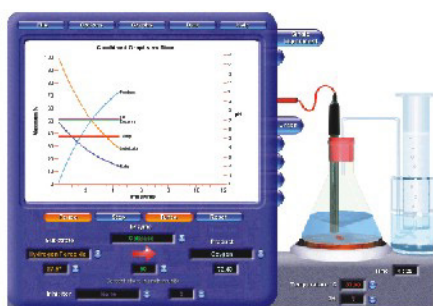


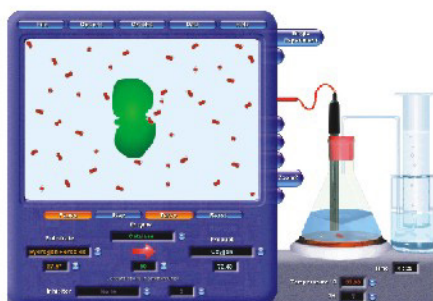
Enzyme Lab

Perform virtual experiments with enzymes!

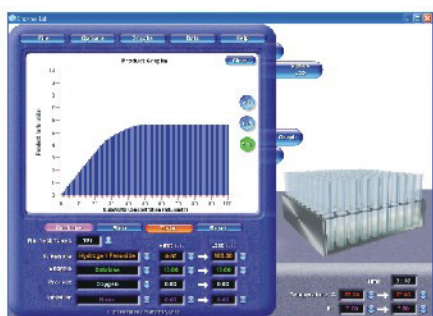
Conducting experiments with Enzyme Lab develops an understanding of the scientific method and a clear appreciation of enzyme kinetics.



With Enzyme Lab you and your students control all the experimental parameters: Enzyme concentration, Substrate concentration, Temperature and pH. The virtual laboratory includes 8 different enzymes including catalase, pepsin and amylases, as well as competitive and non-competitive inhibitors.



Observe what it is happening in your flask with three levels of zoom showing overall molecular activity, a single enzyme and its surroundings or the active site of the enzyme and how it is operating.



The package also features an extensive manual of blackline masters which include the following:

Classroom Studies

- Enzymes as Catalysts
- Enzyme Structure
- Enzyme Action
- Factors Affecting Enzyme Action
- Practical Uses for Enzymes
- Enzyme Nomenclature

Computer simulation experiments

- Enzymes and their Products
- Optimal Temperature of Enzymes
- Optimal pH of Different Enzymes
- Activity of Catalase
- Human Amylase and Temperature
- Temperature Variation and Enzymes
- pH and Enzymes Activity
- Enzyme Concentration
- Substrate Concentration

**Suitable for Biology
Key Stage 4 and A Level**

Available for Windows PC and Apple Mac

Enzyme Lab is priced (ex.VAT):
unlimited user site licence - £159