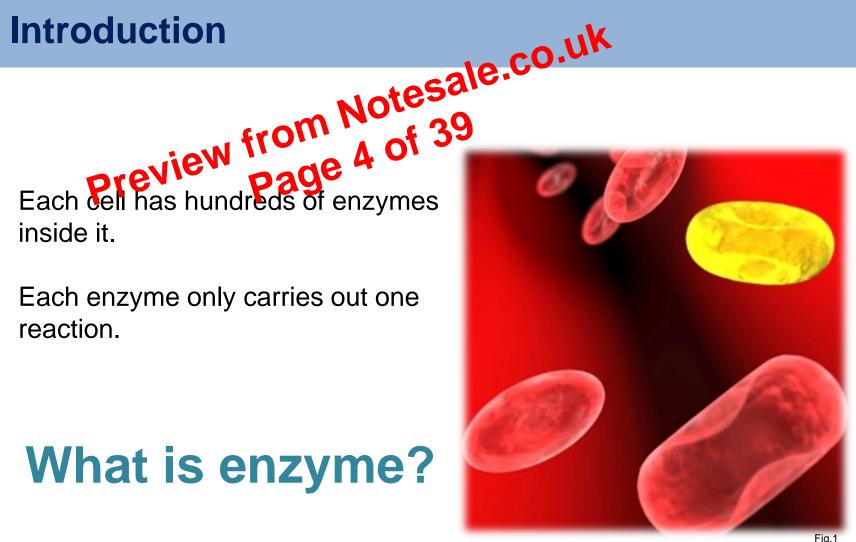


Introduction

reaction.

What is enzyme?





What is Enzyme

Preview Made of proteins in enzymes are usually globule.

Preview Made of proteins in enzymes are usually globule.

Biological catalysts for biochemical reactions.

Enzyme

Converts substrates into products.



Function of Enzymes

The function of enzymes ar Notes ale.co.uk

Preview from page 6 of 39

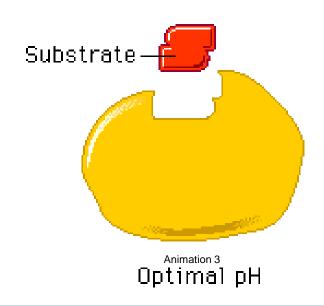
Page 6 of 39 Increase the rate of chemical reactions. Remain unchanged by chemical reaction.



Enzyme Activity

Effect pHeN Enzymes of 39

At extreme pHilarian and he At extreme pH levels, enzymes lose their shape and function and become denatured.





Key Terms

Key Terms	is co.uk	
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Term	om 75 of 39 Definition	
Preview Pa	Definition Any obseveral complex proteins that are produced by cells and act as catalysts in specific biochemical reactions	
Activation energy	An energy 'barrier' that must be crossed to facilitate a chemical reaction.	
Active site	The site where the enzymes and molecules meet	
Lock & Key Model	Enzyme and the substrate possess specific complementary geometric shapes that fit exactly into one another.	
Induced Fit Model	Enzyme and active site adjust shape to bind with substrate.	



Key Terms

Key Terms	io co.uk	
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Term	om 139 Definition	
Temperature Pa	Notesale.co.uk Motesale.co.uk Motesale.co.uk	
Inhibitor	A molecule that binds to enzymes and cause a loss of catalytic activity.	
Competitive Inhibitor	A form of enzyme inhibition where binding of the inhibitor to the active site on the enzyme prevents binding of the substrate and <i>vice versa</i> .	
Non-Competitive Inhibitor	A type of enzyme inhibition where the inhibitor reduces the activity of the enzyme, by binding not to the active site on the enzyme, but to a different site.	