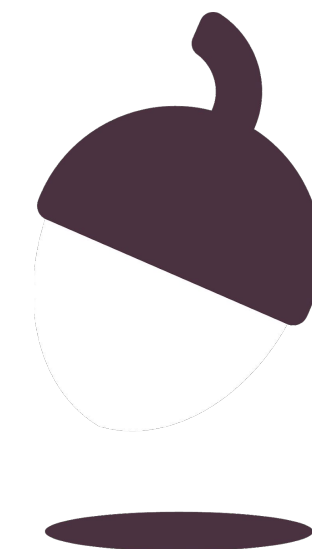


Combined Science - Biology - KS4
Organisation

Digestive Enzymes

(Downloadable student document)

Mr Humphries



OAK
NATIONAL
ACADEMY

Independent Task

Answer the questions

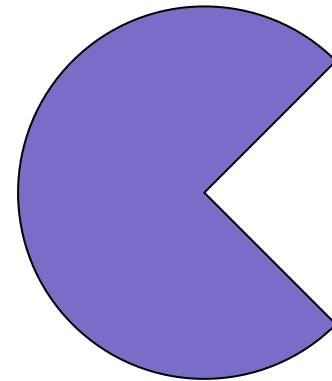
- 1. Why do food molecules need to be broken down? (2)**
- 2. What is the process of breaking down food into small soluble molecules called? (1)**
- 3. Describe two way digestion occurs (2)**



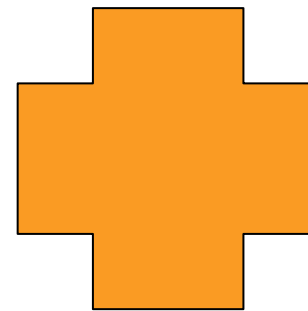
Independent Task

Answer the questions

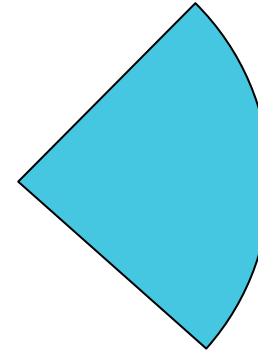
1. What model is used to describe enzyme action? (1)
2. Which substrate fits into the the active site of enzyme 1?



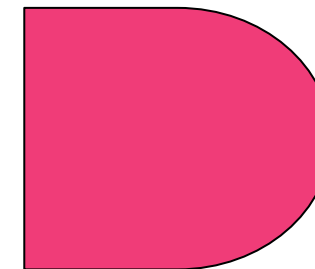
A



B



C



Independent Task

Answer the question

Use the lock and key model to explain why maltase can break down maltose and not other molecules. (3)



Independent Task

Complete the table

Enzyme	Substrate	Products
Amylase	Starch	
	Protein	
Lipase		

