

WJEC Wales Biology GCSE

1.3 (a) to (d) - Digestion

Flashcards

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What is digestion?



What is digestion?

The breakdown of large insoluble molecules of food into smaller soluble molecules



Why is digestion important?



Why is digestion important?

- Large molecules are too big to be absorbed across the surface of the gut wall so must be broken down
- Ensure food molecules are soluble so that they can be transported to cells in the bloodstream



What type of molecules are proteins and carbohydrates?



What type of molecules are proteins and carbohydrates?

Polymers



During digestion, carbohydrates are broken down into _____



During digestion, carbohydrates are broken down into _____

Simple sugars



Which group of enzymes catalyses the breakdown of carbohydrates?



Which group of enzymes catalyses the breakdown of carbohydrates?

Carbohydrases



Where are carbohydrases produced?



Where are carbohydrases produced?

Mouth, pancreas, small intestine



During digestion, proteins are broken
down into _____



During digestion, proteins are broken down into

Amino acids



Which type of enzyme catalyses the breakdown of proteins?



Which type of enzyme catalyses the breakdown of proteins?

Proteases



Where are proteases produced?



Where are proteases produced?

Stomach, small intestine



During digestion, lipids are broken down
into _____ and _____



During digestion, lipids are broken down into
_____ and _____

Fatty acids and glycerol



Which type of enzyme catalyses the breakdown of lipids?



Which type of enzyme catalyses the breakdown of lipids?

Lipases



Where are lipases produced?



Where are lipases produced?

Pancreas, small intestine

