

KS3 Digestion KBT

Date Completed:.....

	<u>Question</u>	<u>Answer</u>
1	What is the function of carbohydrates and what kinds of food are they found in?	Provides energy . Found in sugary foods and bread and pasta
2	What is the function of lipids?	Provides you with a store of energy and keeps you warm (insulation).
3	What is the function of proteins and what kinds of food are they found in?	Used for growth and repair . Found in meat and dairy .
4	What is digestion?	It is the system where large insoluble molecules are broken down into smaller soluble molecules.
5	What is the function of the stomach?	Muscle action churns food and mixes with digestive juices. It is also mixed with acid to kill bacteria.
6	What is the function of the villi?	Small structures that line the intestine, increasing surface area and maximising absorption.
7	What are enzymes and what do they do? Give examples.	Special proteins that break down large molecules into smaller molecules for absorption. Amylase, protease, lipase.
8	What is the meaning of the term starvation?	It is where energy expended is more than amount of energy consumed.
9	What is the meaning of the term obese?	It is where energy expended is less than amount of energy consumed.
10	In terms of diet, what is a deficiency?	When a person does not have enough of vitamin, mineral, or food group.
11	What are the enzymes for lipids, proteins and carbohydrates (in order)?	In order – LIPASE – PROTEASE – CARBOHYDRASE.
12	What is the food test for starch?	We use Iodine – a positive result sees orange turn blue/black.
13	What is the food test for sugar?	We use Benedict's solution (+ heat) – positive result sees Blue → orange-brick red.
14	What is the food test for protein?	We use Copper sulphate + sodium hydroxide – a positive result sees Blue → purple.
15	What is the equation for respiration?	Glucose + oxygen → carbon dioxide + water
16	What is the unit of energy?	Joules
17	What factors affect our daily energy requirement.	Dependent on age, biological sex, and activity level.
18	What is an enzyme's active site?	Binding site of the enzyme.
19	What does denatured mean for enzymes?	When the enzyme irreversibly changes shape and can no longer work.
20	What is the function of the large intestine?	Water is absorbed leaving undigested food called faeces.
total		/20

KS3 Digestion KBT 2

Date Completed:.....

	<u>Question</u>	<u>Answer</u>
1	What is the function of carbohydrates and what kinds of food are they found in?	
2	What is the function of lipids?	
3	What is the function of proteins and what kinds of food are they found in?	
4	What is digestion?	
5	What is the function of the stomach?	
6	What is the function of the villi?	
7	What are enzymes and what do they do? Give examples.	
8	What is the meaning of the term starvation?	
9	What is the meaning of the term obese?	
10	In terms of diet, what is a deficiency?	
11	What are the enzymes for lipids, proteins and carbohydrates (in order)?	
12	What is the food test for starch?	
13	What is the food test for sugar?	
14	What is the food test for protein?	
15	What is the equation for respiration?	
16	What is the unit of energy?	
17	What factors affect out daily energy requirement.	
18	What is an enzymes active site?	
19	What does denatured mean for enzymes?	
20	What is the function of the large intestine?	
total		/20