

### Definitions 2

Amylase	an enzyme produced in the <b>salivary glands</b> and <b>pancreas</b> that breaks carbohydrates down into simple sugars
Aorta	the main artery that takes <b>oxygenated</b> blood <b>away</b> from the heart to the body
Artery	a blood vessel that carries blood at high pressure <b>away</b> from the heart
Benign Tumour	an abnormal cell growth that is contained within one area and <b>does not</b> invade other areas of the body
Bile	a substance made in the <b>liver</b> and stored in the <b>gallbladder</b> which is used to <b>neutralise</b> stomach acid in the intestine and <b>emulsify</b> fats
Blood	a <b>tissue</b> containing red blood cells, white blood cells, platelets and plasma
Cancer	a <b>non-communicable</b> disease caused by changes in the cell that lead to <b>uncontrolled growth and division</b>
Capillary	a very thin blood vessel that is used for <b>exchange</b> of substances
Cell	the <b>basic building block</b> of all living organisms
Communicable Disease	a disease that can be <b>spread between individuals</b> either directly or indirectly
Coronary Heart Disease	a disease caused by the buildup of <b>fatty deposits</b> inside the coronary artery, narrowing it and <b>reducing blood flow</b> to the heart tissue

### Definitions 2 (cont)

Enzymes	biological <b>catalysts</b> that increase the rate of reactions in living organisms
Health	the state of <b>physical and mental</b> wellbeing
Heart	an organ that pumps blood around the body in a <b>double circulatory system</b>
Lipase	an enzyme that is produced in the <b>pancreas</b> that breaks lipids down into fatty acids and glycerol
Lock and Key Hypothesis	a theory that describes how <b>substrates</b> must be the correct shape to fit the <b>active site</b> of an enzyme
Malignant Tumour	a <b>cancerous</b> cell growth that invades neighbouring tissues and can spread to different parts of the body in the blood
Meristem Tissue	plant tissues containing <b>undifferentiated stem cells</b>
Metabolism	all of the <b>chemical reactions</b> occurring in an organism
Non-communicable Disease	a disease which <b>cannot</b> be spread between individuals
Organs	a group of different <b>tissues</b> working together to perform a certain <b>function</b>
Organ Systems	groups of <b>organs</b> that work together to perform a specific function
Palisade Mesophyll	a <b>tissue</b> found in plant leaves that is specialised to carry out <b>photosynthesis</b>
Phloem	a <b>transport tissue</b> found in plants which is specialised to transport sugars from source to sink
Protease	an enzyme produced in the <b>stomach</b> and <b>pancreas</b> that breaks proteins down into amino acids



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### Definitions 2 (cont)

Pulmonary Artery	the main artery that takes <b>deoxygenated blood</b> away from the heart to the lungs
Pulmonary Vein	the main vein that takes <b>oxygenated blood</b> back to the heart from the lungs
Rate of Reaction	the speed at which <b>reactants</b> are converted into <b>products</b>
Risk Factor	something that <b>increases</b> a person's risk of developing a disease
Spongy Mesophyll	a tissue found in plant leaves that is specialised for <b>gas exchange</b>
Statins	a class of drugs that are used to <b>reduce blood cholesterol</b> levels which slows down the rate of fatty material deposit
Stent	a tube that can be <b>surgically implanted</b> into blood vessels to keep them open
Tissue	a group of <b>similar cells</b> working together to perform a particular function
Translocation	the movement of <b>food molecules</b> through the <b>phloem</b> tissue
Transpiration	the process of <b>water evaporating</b> from a plant
Vein	a blood vessel that carries blood at a low pressure <b>back</b> to the heart
Vena Cava	the main vein that takes <b>deoxygenated blood</b> back to the heart from the body
Xylem	a transport tissue in plants which is specialised to transport <b>water and dissolved mineral ions</b> from the roots of the plant to the leaves

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