Science



Year 8

								Cathedrál
1: Plant Stru	3: Mixtures			5: States of Matter				
Root	Part of the plant which absorbs water; adapted for this by having a large surface area Part of the plant which is specialised for helping the plant	Compound Mixture	Two or bonded Made u	more substances chemically It together up of two or more substances not				• •
Photosynthes	make food  is A series of chemical reactions in a plant where carbon dioxide and water produce oxygen and glucose	Pure	Only co	ally bonded ontains one type of substance os mixtures of different substances	Particle Chemic	Т	liquid he smallest piece	
Stomata Chloroplast Peer review	Small openings on the surface of a leaf where gas exchange occurs Organelle which is the site of photosynthesis The evaluation of scientific,	Solute Solvent Solution	The substance that dissolves to make a solution The substance that dissolves the solute A mixture of a solvent and solute		change Physical change Change of state		A chemical reaction in which a new substance is formed, usually irreversible  A change where no substances is formed, usually reversible  A physical process where matter changes state  tion of Mass and Density	
academic or professional work by others working in the same field  2: Adaptations of the Leaf			solutio					
Cuticle  Air space  Guard cells  Root hair	A thin, transparent layer of the leaf which allows sunlight into leaf Thin and waxy to protect the plant and prevent water loss but allowing sunlight through The space within the leaf to allow the diffusion of gases e.g. carbon dioxide Control the opening and closing of the stomata Increases the surface area of the root	Soluble Insoluble Chromatog Chromatog Filtration		A substance that will dissolve in a solvent A substance that will not dissolve in a solvent A method to separate soluble substances The visible result of chromatography A method to separate an insoluble solid	Consert of mass Mass Volume Density	s e	one form to and The amount of volume	transferred from other matter in a given three-dimensiona by a substance
	to increase water uptake  The amount of exposed area there is	Crystallisat Distillation		A method to separate a soluble solid A method to separate solutions of different boiling points	Compa Anoma		Looking at the s difference A result that do	imilarities and es not fit a patter