IB Biology

Topic 9 – Plant Biology HL

Revision Sheet

Transport in the xylem		Draw a labelled diagram of the structure of a 'primary xylem' cell. De		Descri
 What are the two properties of v What are the two properties of v What are the two properties of v What does active transport in row water from the soil into root cell 	ot hair cells do that promotes inward osmosis of			rate of Water of Disk of filter Capilla
Transport in the phloem Explain why each of the following is important in the translocation of organic compounds like sucrose. • The incompressibility of water • Hydrostatic pressure gradients • High concentration of solutes at source • Water uptake by osmosis			Identify xylem & phloem in the shoot image b Clover stem Trifolium sp.	elow.
Growth in plants Auxin is a plant growth substance which causes Micropropagation is Mitosis promotes growth by increasing Describe the two phytochromes which help a plant to switch to flowering in response to light and dark.			What effect does the alteration of gene expression	ssion
Reproduction in plants Complete the right hand side of the "half view" (cross section) of a flower Complete the right hand side of the "half view" (cross section) of a flower & label it.	Compare & contrast pollination and fertilization Pollination Fertilization		mutualistic relationship can help fertilization	s to





